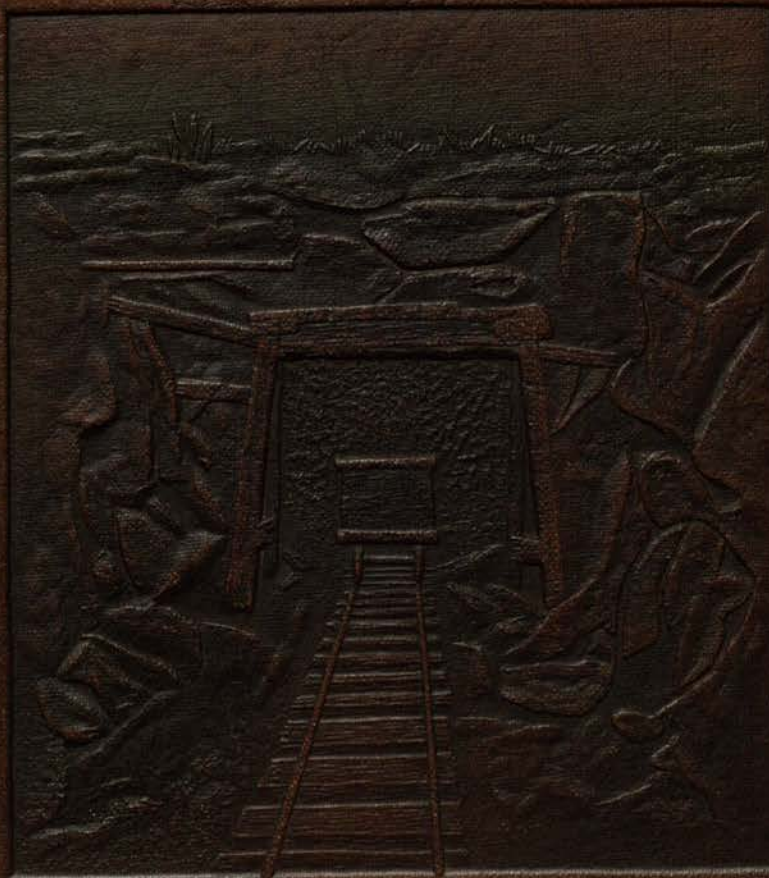


ROLIAMO



1 9 2 1

THE ENGINEER - THE



University of Missouri - Rolla

050-100076418

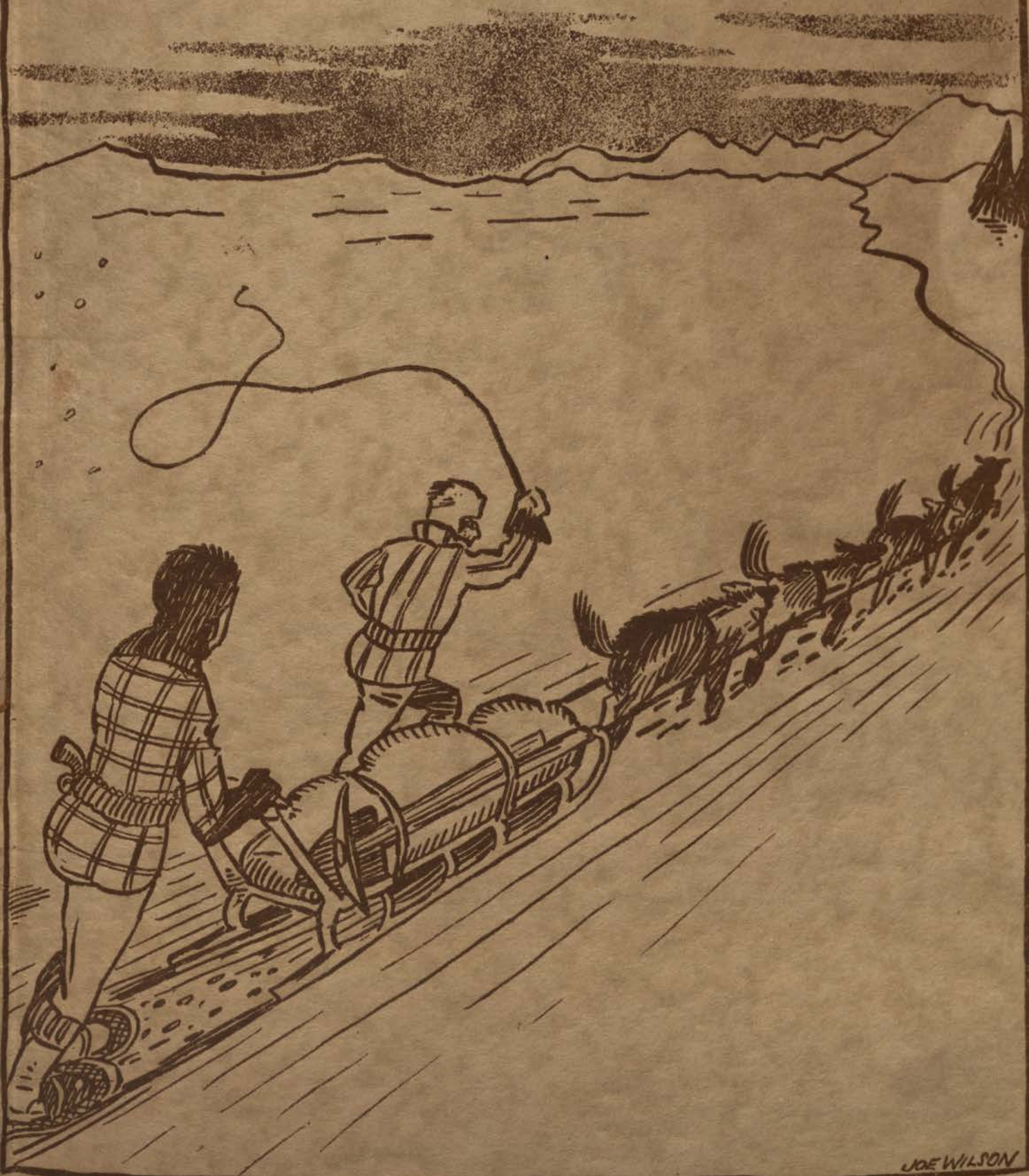


LIBRARY
UNIVERSITY OF MISSOURI-ROLLA
ROLLA, MISSOURI 65401-0249

✓
DEMCO

FORERUNNER OF CIVILIZATION

378.778
MUM
V. 15
1921

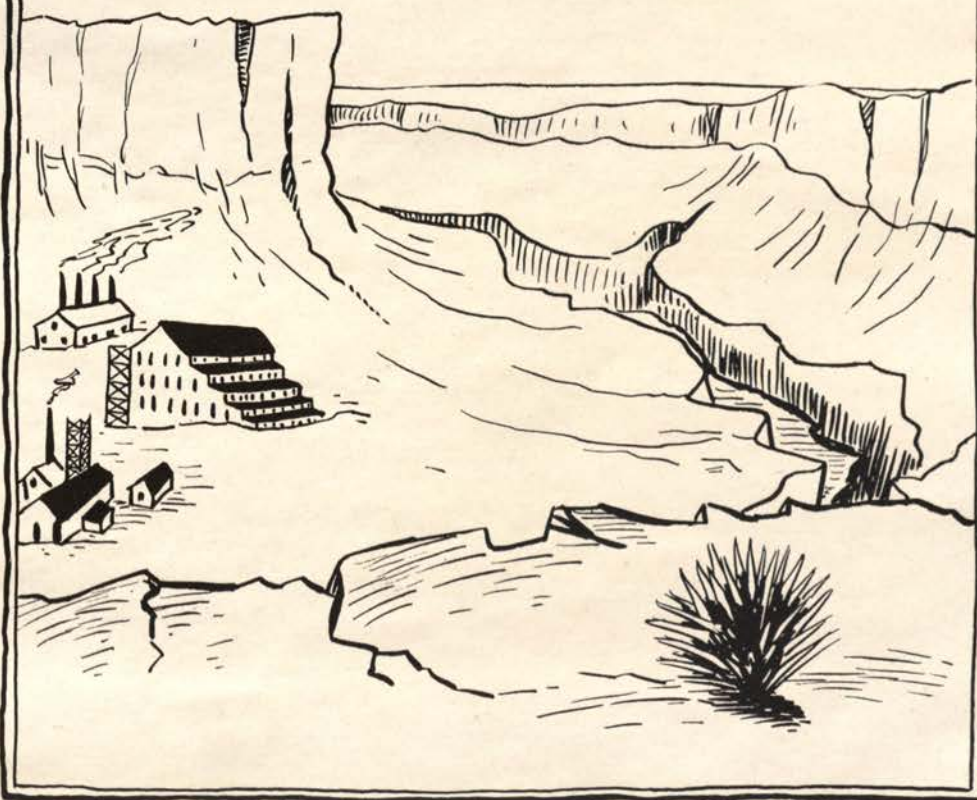


JOE WILSON

ROLLAMO

VOL. - 15

1 9 2 1

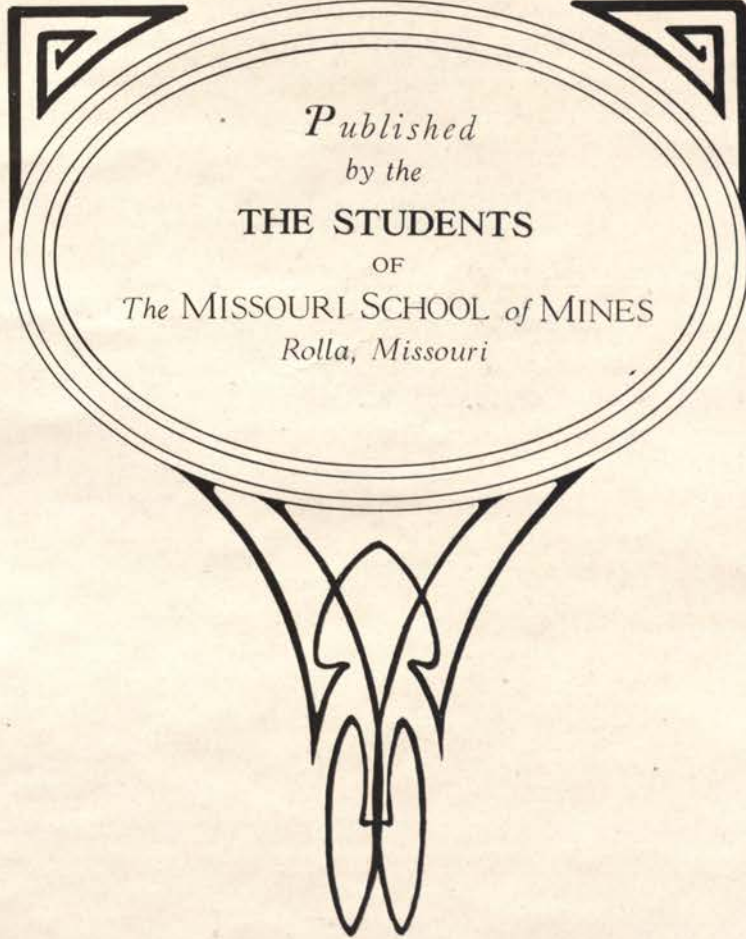


25470



378.778
mum
C.2
V.15





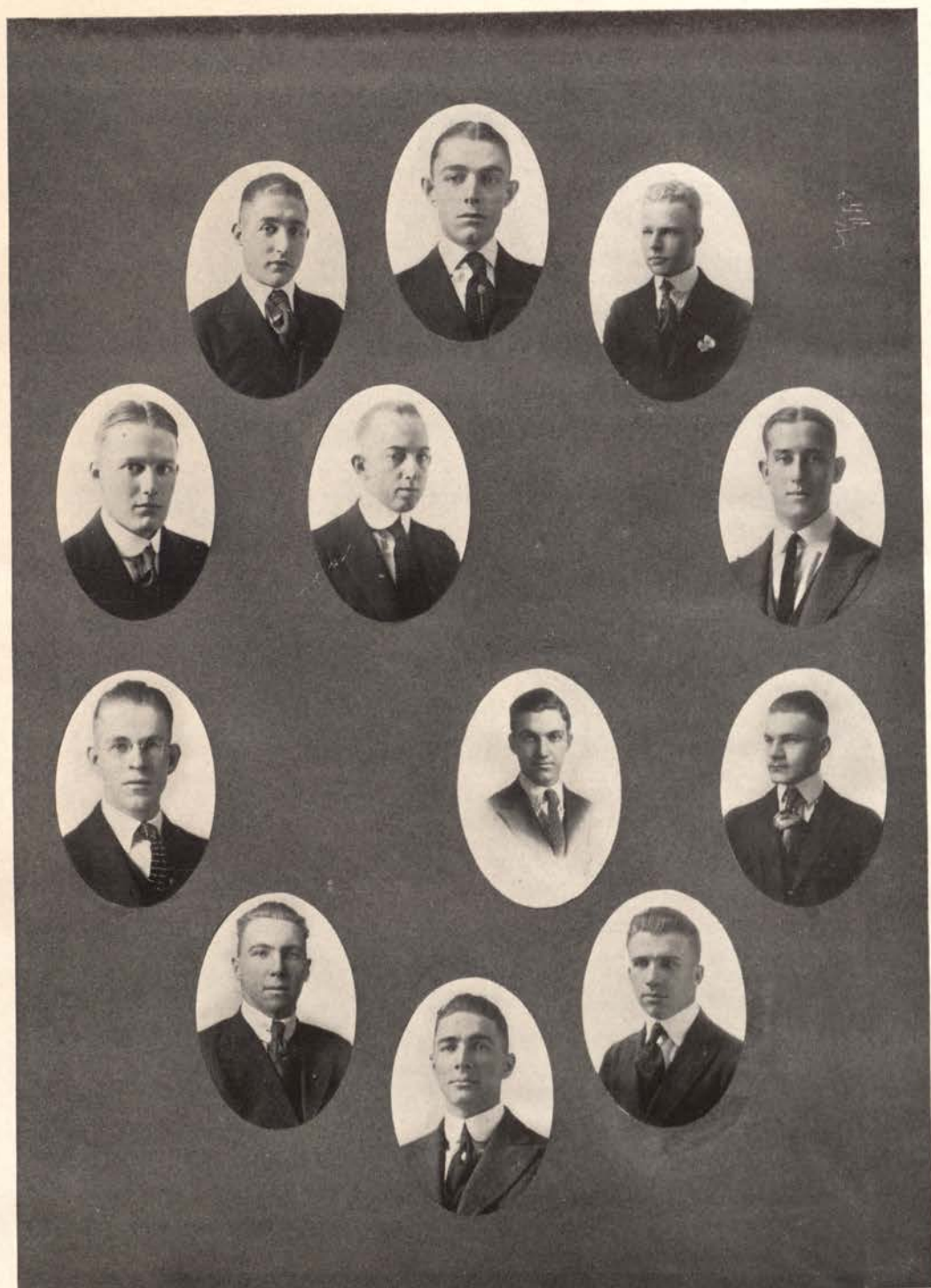
Dedication

Edwin Joseph Bohn

whose death was so deeply regretted by everyone connected with the Missouri School of Mines, was a native of this state. Prior to entering this institution, he attended the St. Louis University of St. Louis, Missouri. While here he won letters in Football, Track and Basketball. He was captain of the 1919-20 Basketball Team and was elected captain of the 1920-21 Track Team. He was a member of the Kappa Alpha Fraternity. He took an active part in all school activities. The best that we can say about "Eddie" is that he commanded the respect of all that knew him.







ROLLAMO BOARD

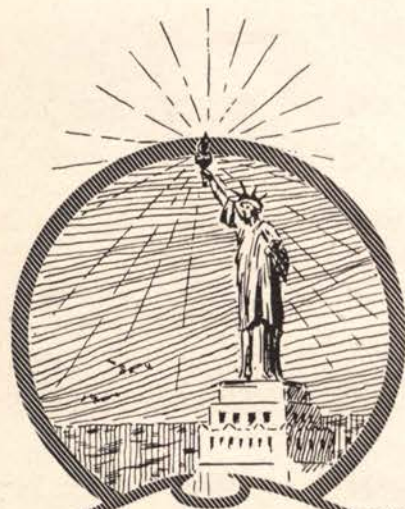
Foreword

IN presenting this book, the fifteenth Rollamo, to you, we wish to say that we have tried to convey a true picture of the life of the student in and about Rolla, Missouri, at the School of Mines. We have striven to make this picture as comprehensive and as representative as possible. In order to gain this end we have put aside our individual feeling and have endeavored to replace it with a cosmopolitan one. Any sentiment that we considered current among any group of students has been given a place here.

We have no apologies to make. We have made an honest effort to please and if we have failed the failure is irremediable.

ROLLAMO BOARD.

J. EWART JONES	<i>Editor in Chief</i>
H. E. DIERS	<i>Business Manager</i>
R. L. JOHNSON	<i>Ass't Business Mgr.</i>
ROY ERICKSON	<i>Secretary</i>
EDW. KAHLBAUM	<i>Treasurer</i>
JOE M. WILSON	<i>Art Editor</i>
K. H. DE COUSSER	<i>Athletic Editor</i>
W. E. CASE	<i>Staff Photographer</i>
J. F. HOSTERMAN	<i>Assistant Editor</i>
W. H. DUNLOP	<i>Assistant Editor</i>



ORDER of BOOKS

School & Campus

Faculty

Classes

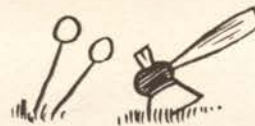
Athletics

Organizations

R. O. T. C.

Stunts

SCHOOL & CAMPUS



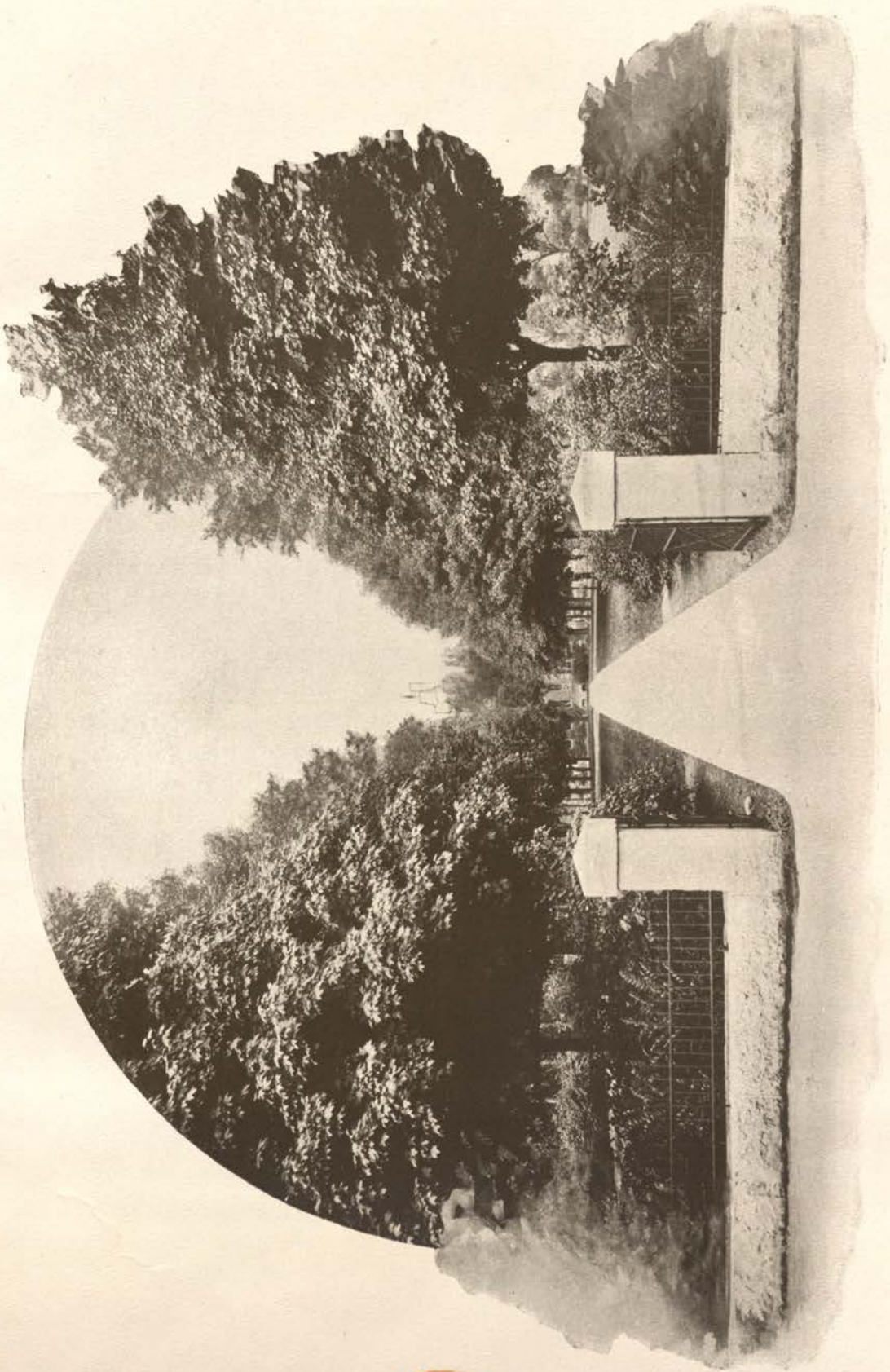
JOE WILSON



ROLLAMO



ROLLAMO

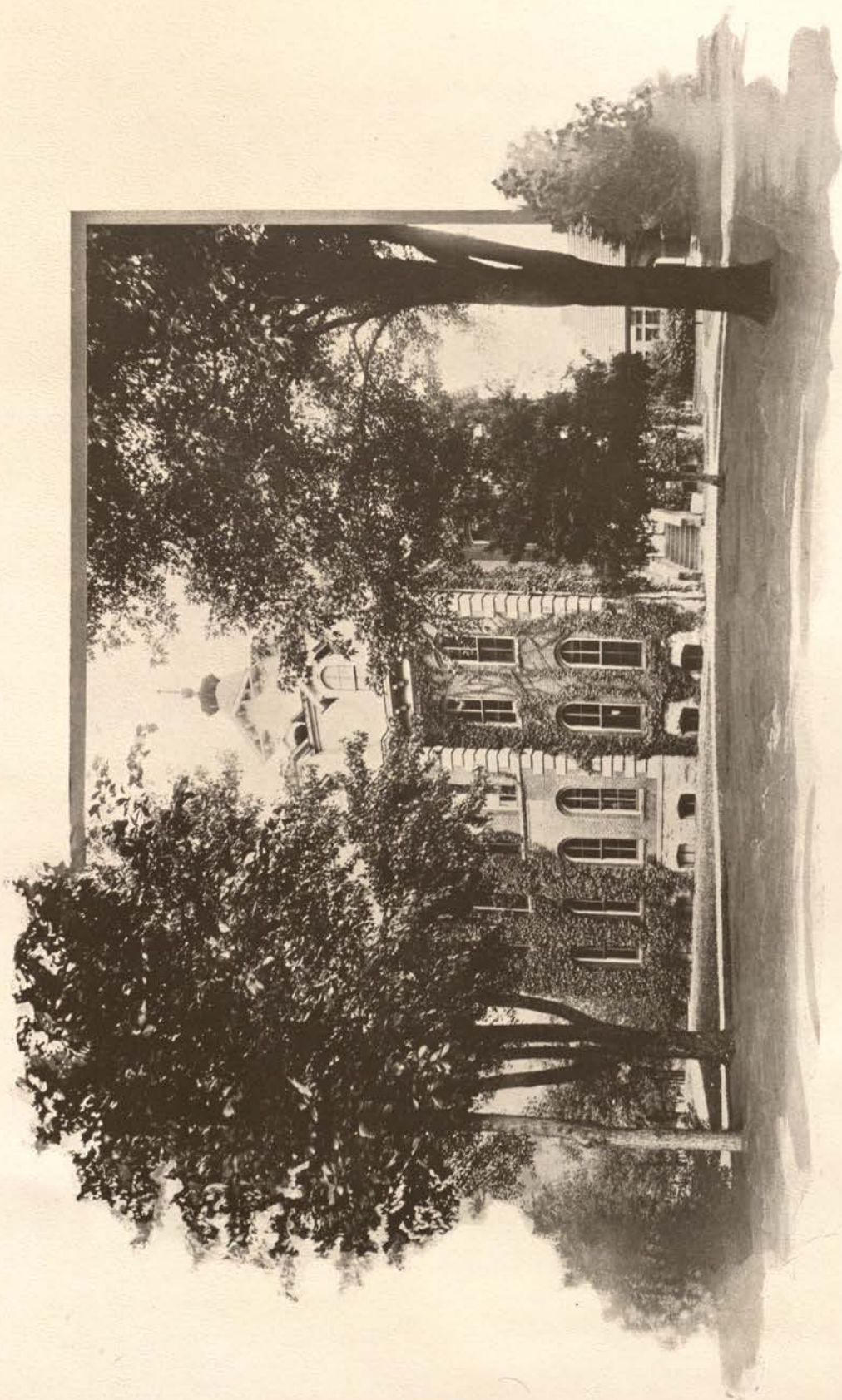


Page 11

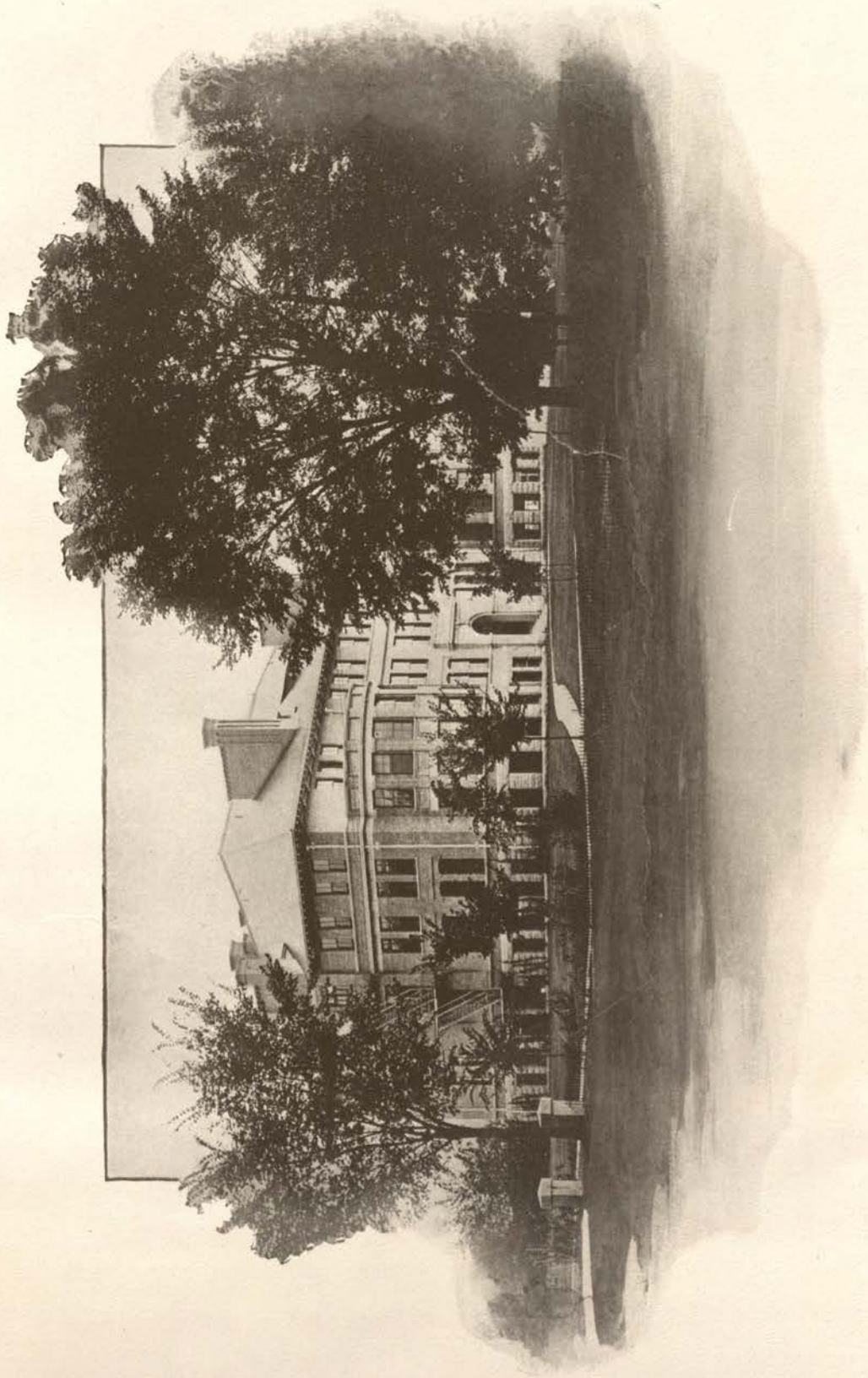


EHW

ROLLAMO



ROLLAMO

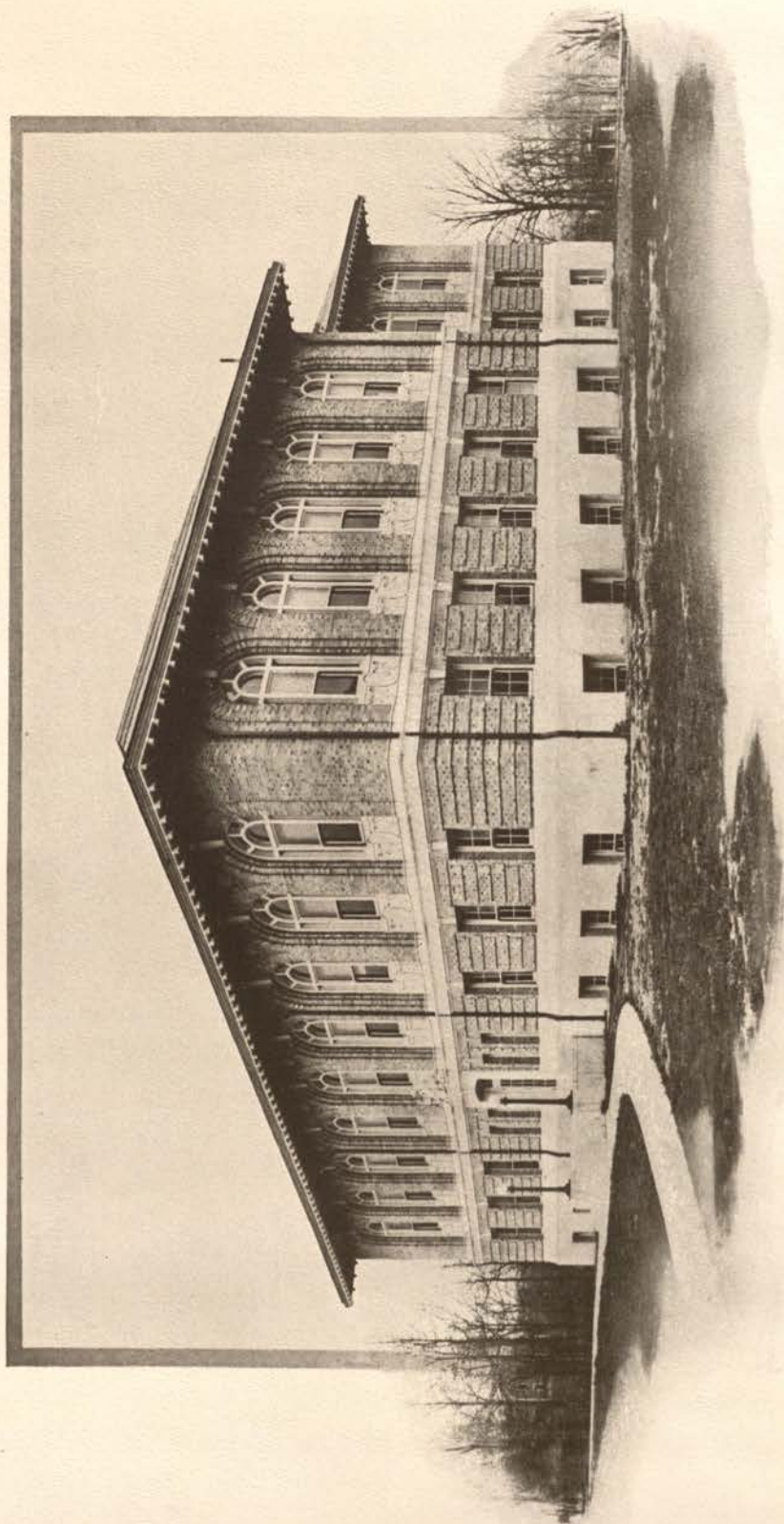


Page 13

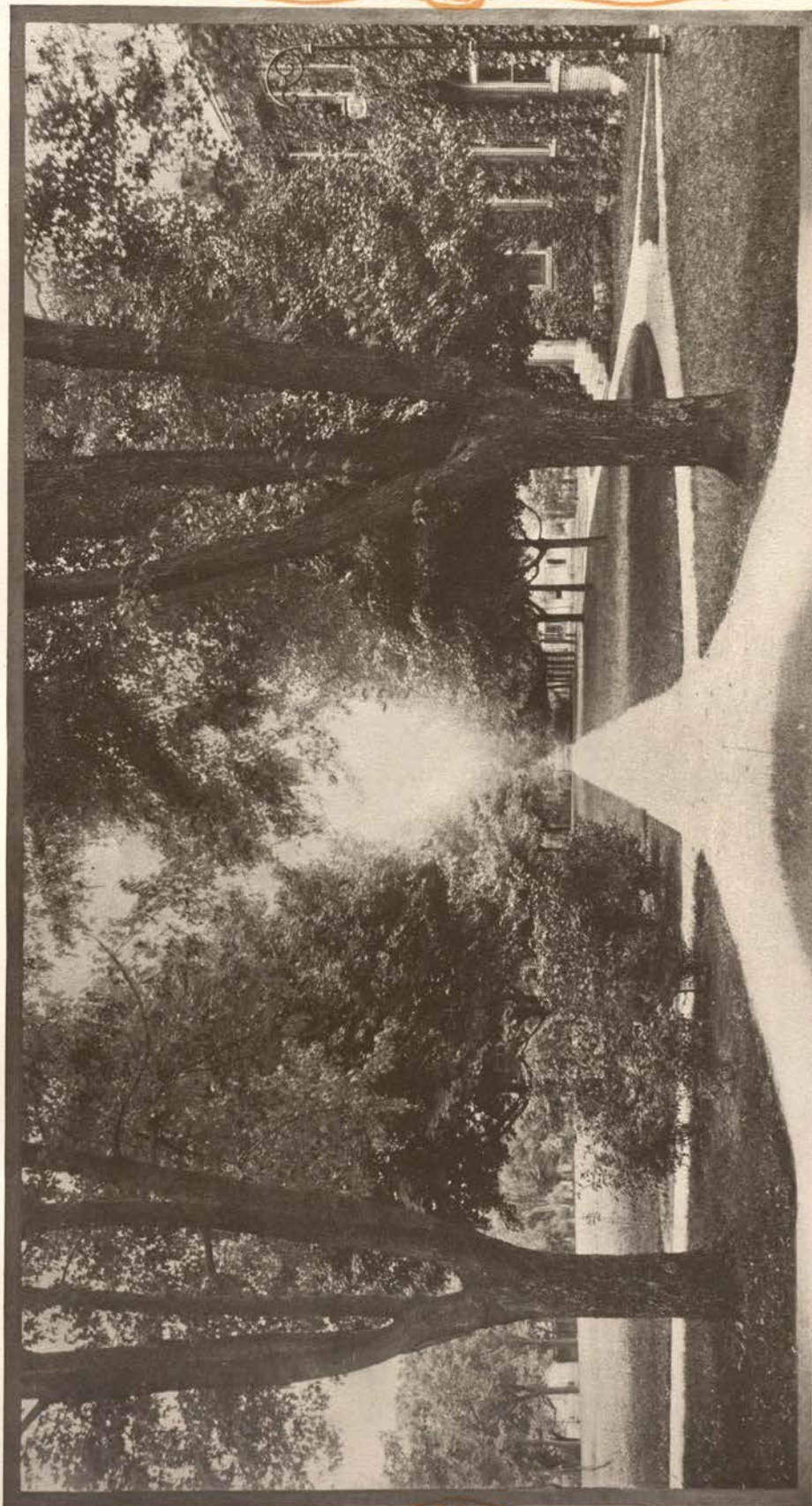


E.H.W.

ROLLAMO



ROLLAMO

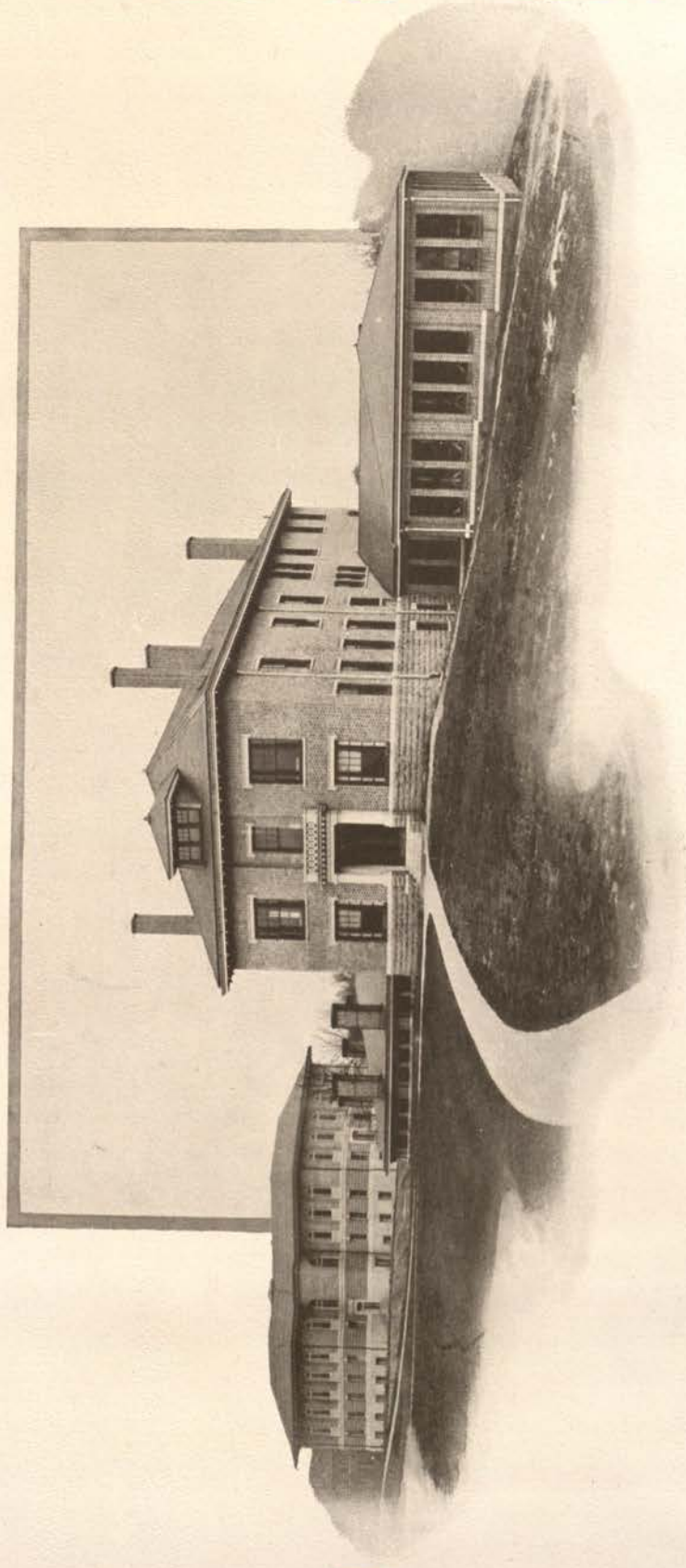


Page 15

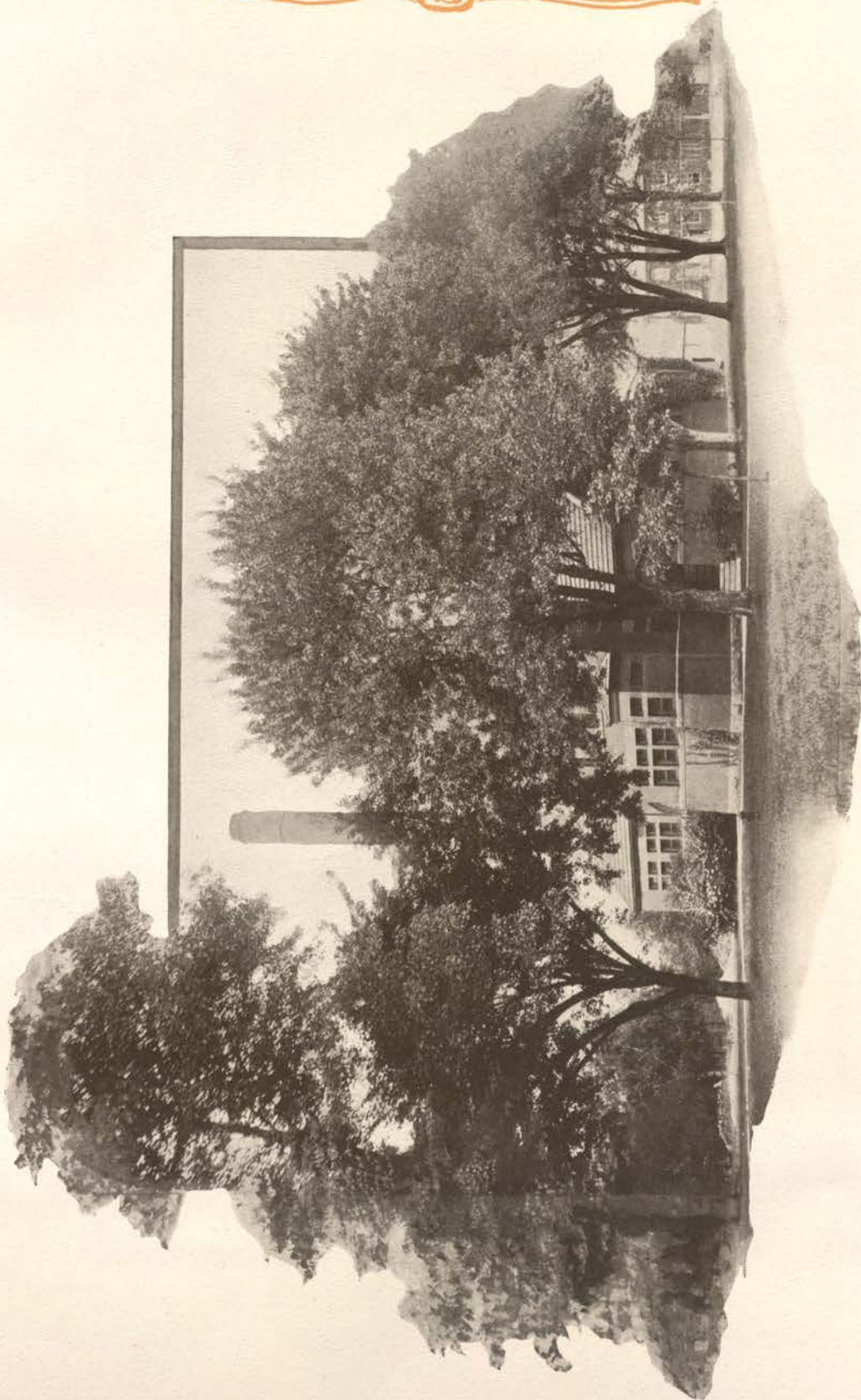


E.H.W.

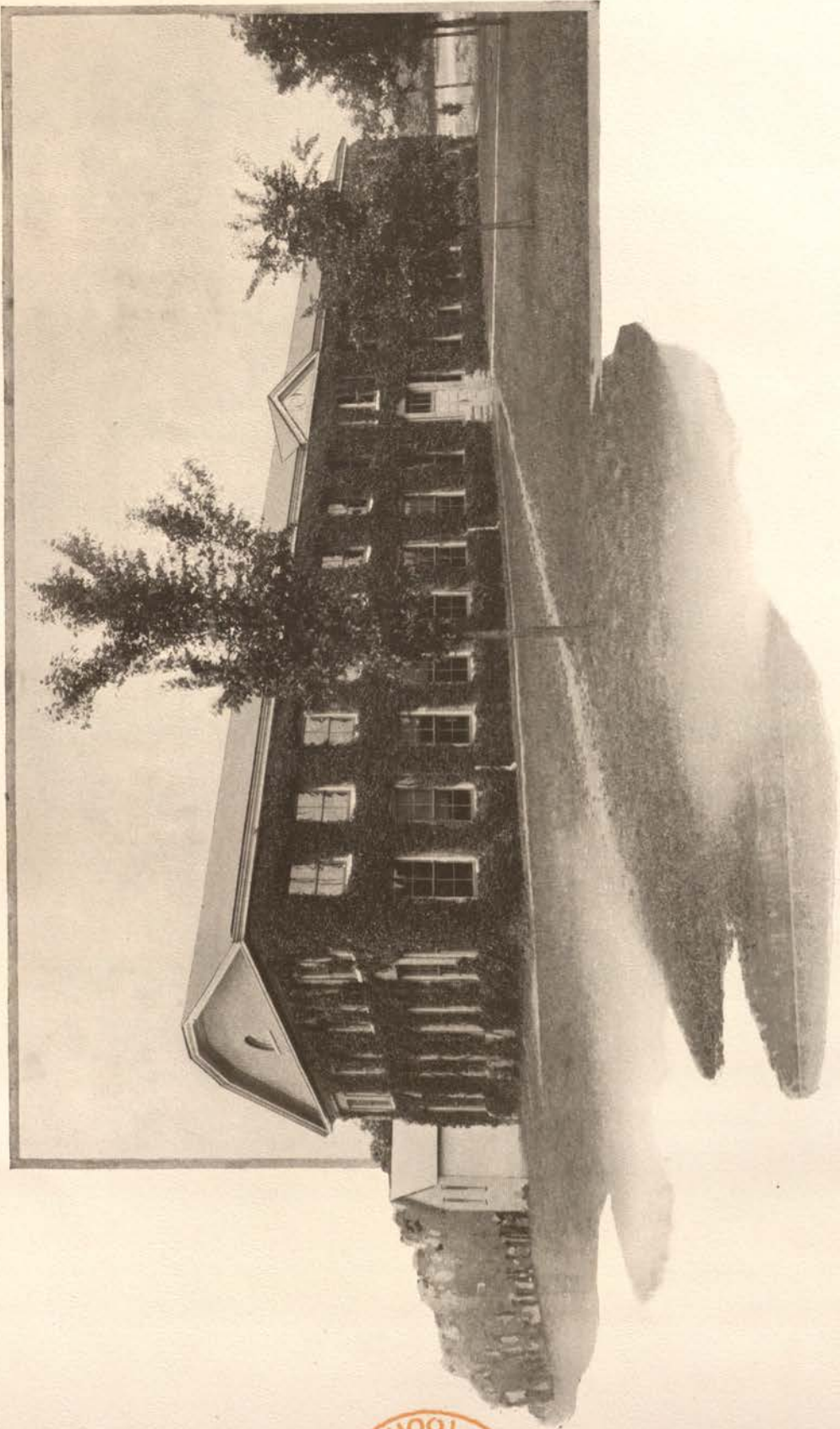
ROLLAMO



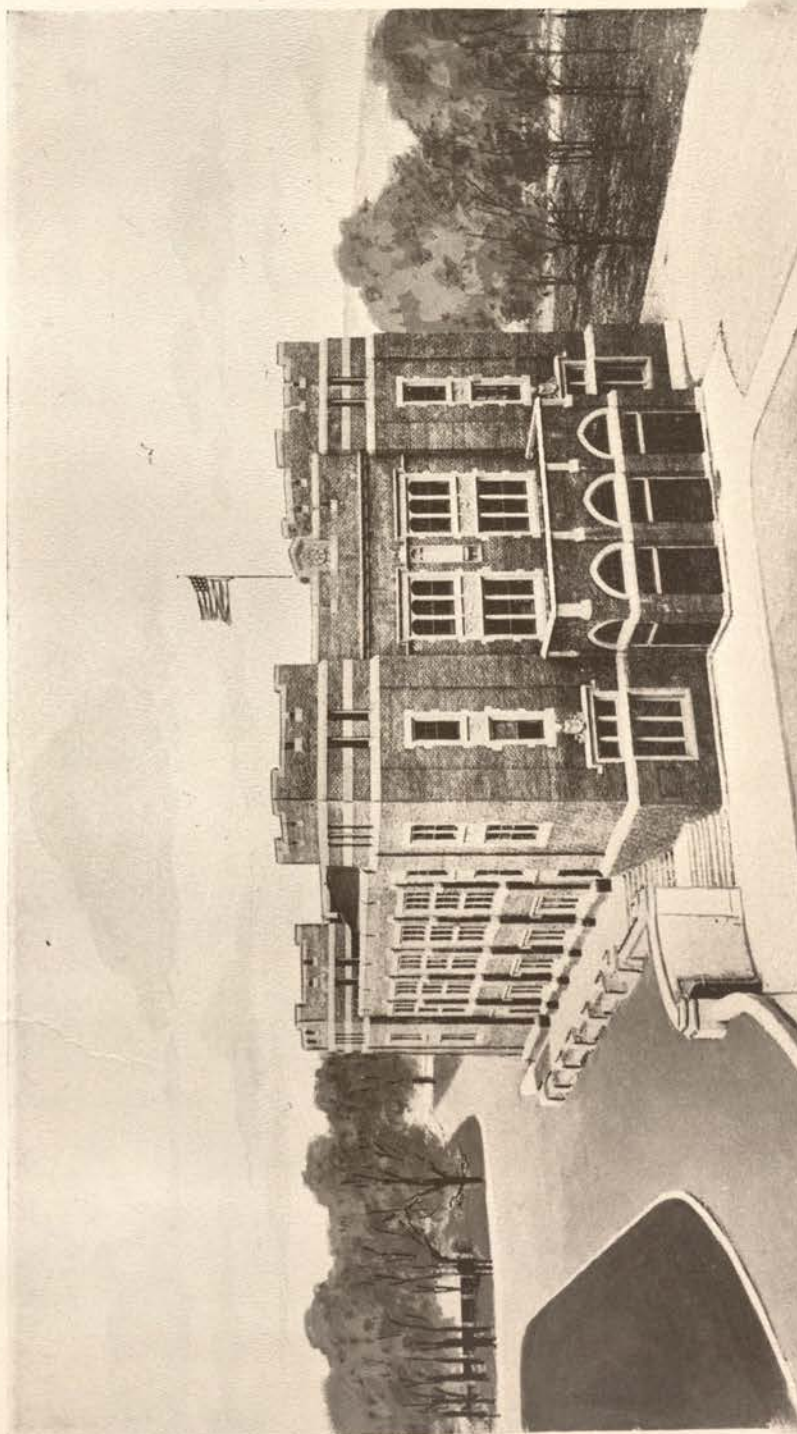
ROLLAMO



ROLLAMO



ROLLAMO



ROLLAMO



ROLLAMO

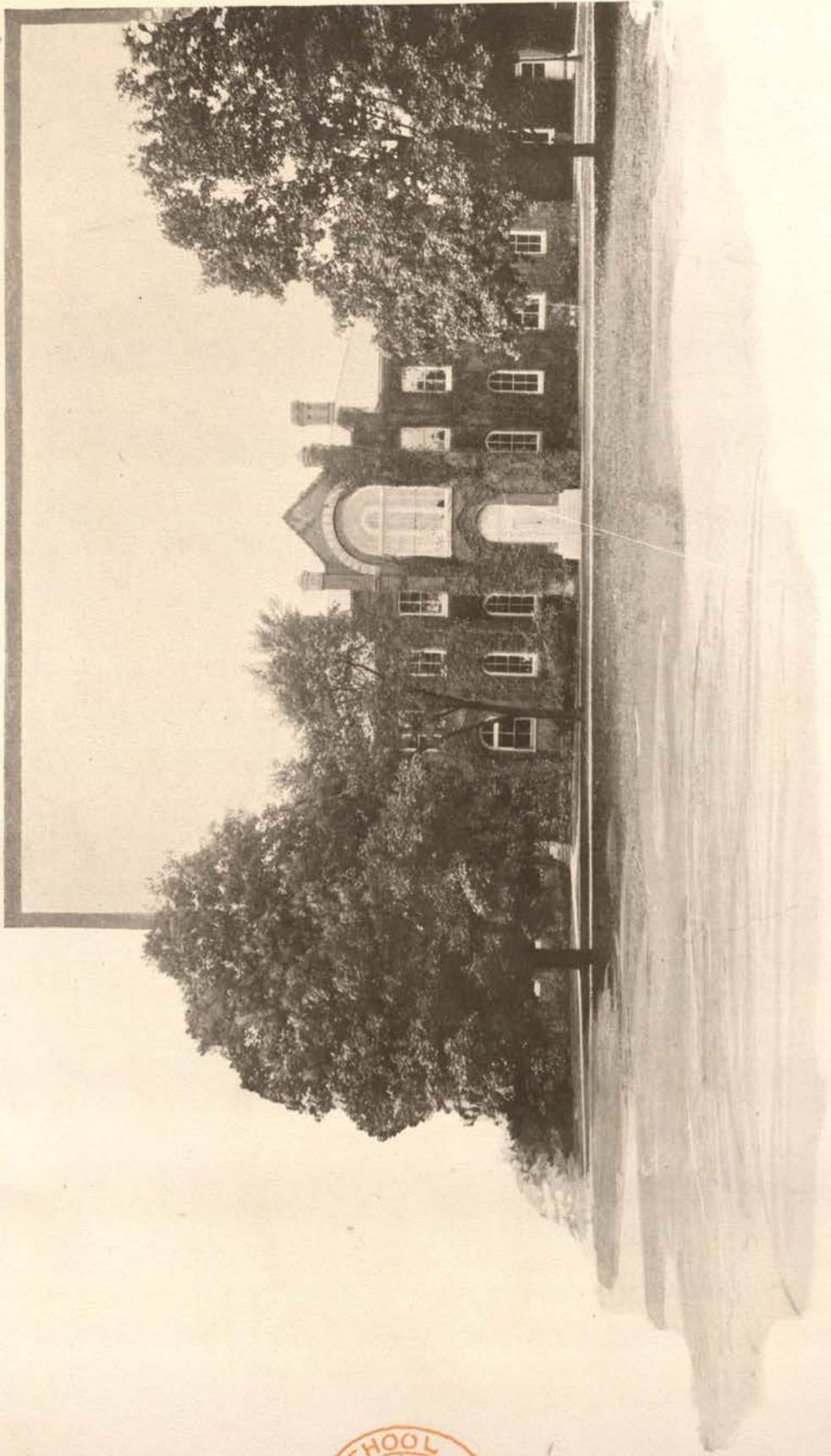


Page 21

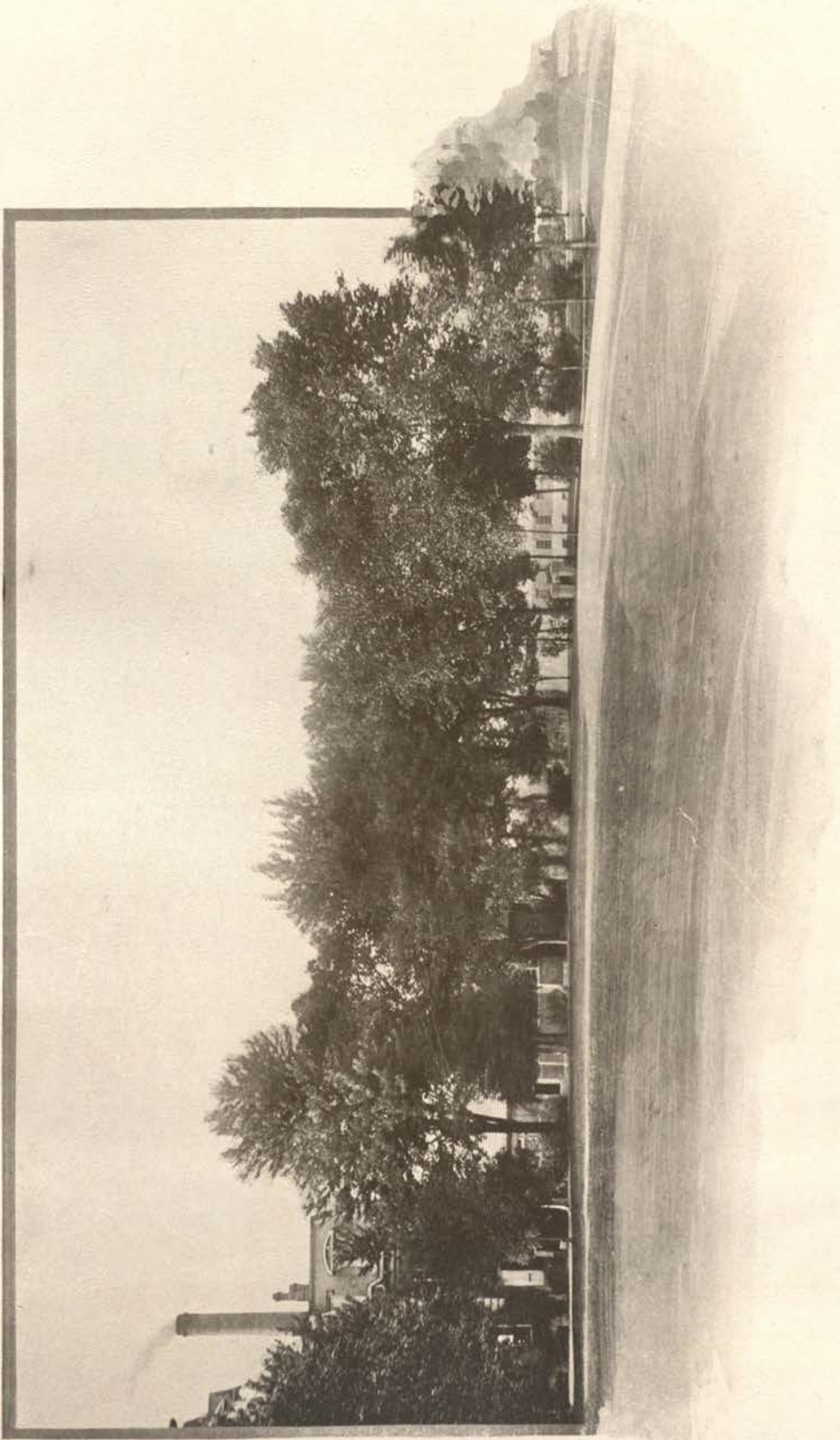


EHW

ROLLAMO



ROLLAMO

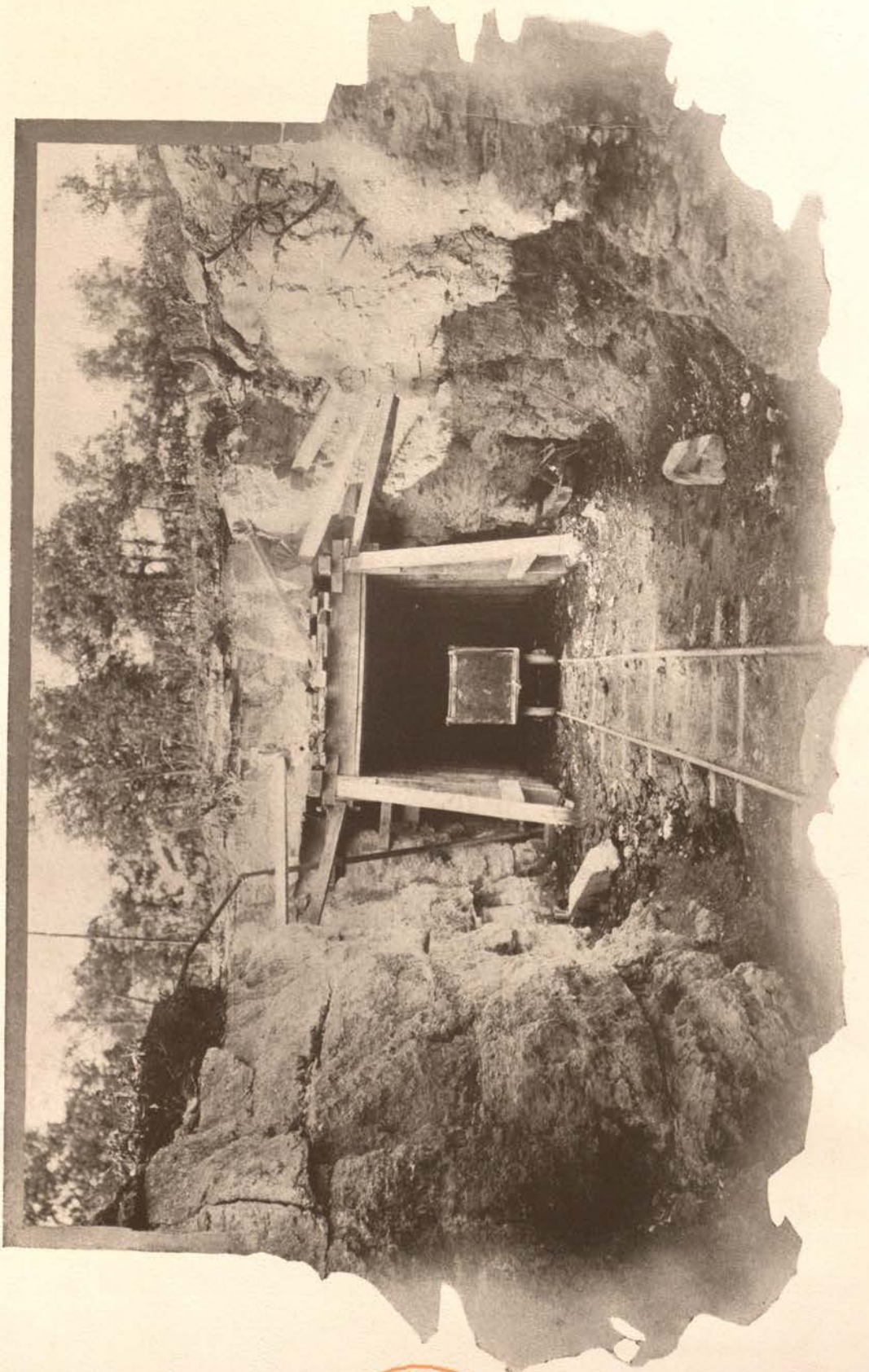


Page 23

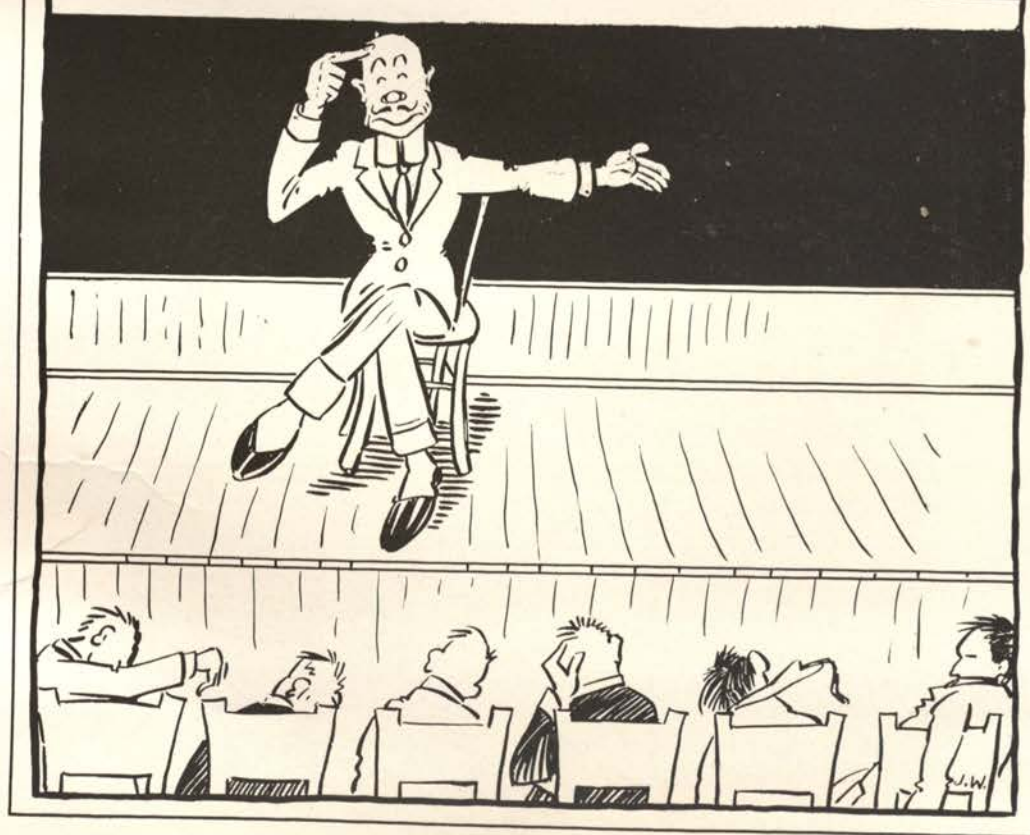


EHW -

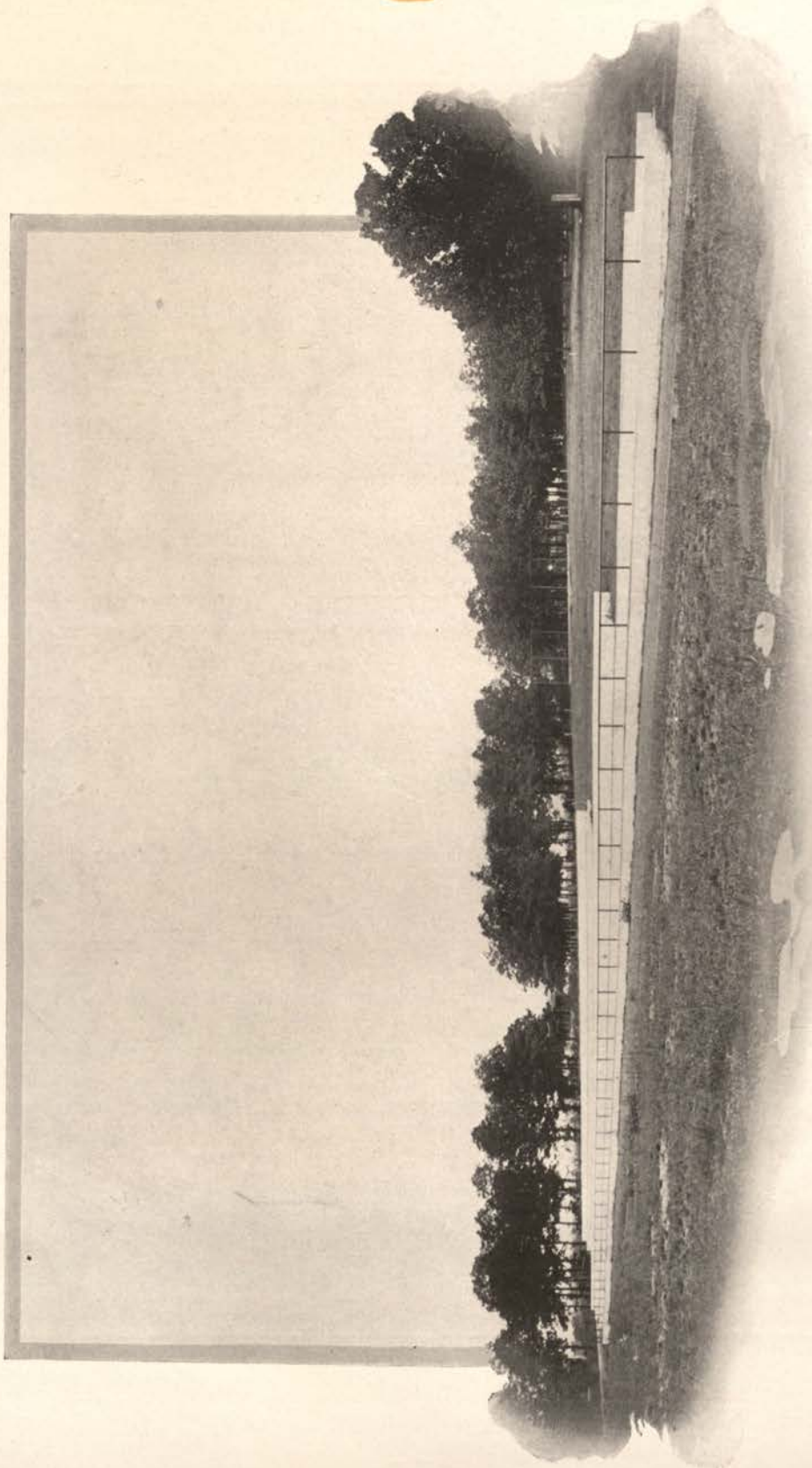
ROLLAMO



-Faculty



ROLLAMO





ALBERT ROSS HILL
President of the University



Dr. C. H. Fulton

Dr. Fulton was named Director of the Missouri School of Mines and Metallurgy as successor to Dr. McRae in June, 1920.

He is a man well known in the circles of Mining and Metallurgical industries. He received his E. M. at Columbia University in 1897. Since then he has held the chair of Professor of Metallurgy at the South Dakota State School of Mines and at the Case School of Applied Science. During most of his time at the South Dakota State School of Mines he was also President of that institution. At the present time Dr. Fulton is Consulting Metallurgist for the American Institute of Mining Engineers; a member of that institution; and a member of the Mining and Metallurgical Society of America.

With the experience of President at the South Dakota School of Mines and his practical knowledge of the field in which this school is most vitally interested, we feel sure that we have a man at the head of this school who is well fitted for the task and who will advance the institution.

Dr. Fulton has already proven to us that he deserves our co-operation in any plans which he has for benefiting the Missouri School of Mines and Metallurgy.



ROLLAMO



Page 29



EHW



Board of Curators

JOHN H. BRADLEY	<i>Kennett</i>
Judge Springfield Court of Appeals	
E. LANSING RAY	<i>St. Louis</i>
President Globe-Democrat	
H. B. MCDANIEL	<i>Springfield</i>
Banker	
DR. G. E. MUNS	<i>Montgomery City</i>
Physician and Surgeon	
P. E. BURTON	<i>Joplin</i>
MILTON TOOTLE, JR.	<i>St. Joseph</i>
Banker	
DR. S. L. BAYSINGER	<i>Rolla</i>
Physician and Surgeon	
H. J. BLANTON	<i>Paris</i>
Editor and Publisher	
JUDGE JAMES E. GOODRICH	<i>Kansas City</i>
Lawyer	

Executive Committee of the Missouri School of Mines and Metallurgy

<i>Chairman</i>	S. L. BAYSINGER
<i>Secretary</i>	EDWIN KAHLBAUM
<i>Treasurer</i>	CHAS. KNAPP
<i>Director of School of Mines</i>	C. H. FULTON



Dr. A. L. McRae



Dr. McRae was director of the Missouri School of Mines from 1915 until June, 1920. Prior to that time he had been an Instructor in this school for nineteen years. During his term of service he has been extremely conscientious and ever zealous for the advancement of the school. He was at all times willing to render any assistance possible to the students. He was an ardent advocate of athletics and is yet greatly interested in all our contests.

We wish to extend the thanks of the student body to Dr. McRae for the achievements he had accomplished for the school.





ELMO GOLIGHTLY HARRIS, C. E.
 Professor of Civil Engineering.
 American Society of Civil Engineering.



GEORGE REINALD DEAN, B. S., C. E.
 Tau Beta Pi
 Professor of Mathematics.
 Registrar Missouri School of Mines.



CARROLL RALPH FORBES, B. S., E. M.
 Tau Beta Pi, Sigma Rho, S. T. E.
 Professor of Mine Engineering.



JOSEPH WAYNE BARLEY, A. B., A. M., Ph. D.
 Sigma Nu
 Professor of English and Modern Languages.





HAROLD LESLIE WHEELER, A. B., B. L. S.
Phi Kappa Psi.
Librarian.

Member of the American Library Association,
Missouri State Library Association,
Special Libraries Association.



WILLIAM DEGARMO TURNER, B. S., Ph. D.
Sigma Xi, Phi Kappa Phi.
Professor of Chemistry.
American Chemical Society.



LEON ELMER WOODMAN, A. B., A. M., Ph. D.
Phi Beta Kappa, Sigma Xi, Phi Kappa Phi.
Professor of Physics.
Fellow of the Amer. Ass'n for the Advance-
ment of Science.
American Physical Society.



CHARLES Y. CLAYTON, B. S., Met. E.
Kappa Alpha, Tau Beta Pi, Quo Vadis,
Sigma Gamma Epsilon.
Professor of Metallurgy.
Member of Institute of Metals, London;
American Institute of Mining and Metal-
lurgical Engineers; Consulting Metallurgist,
U. S. Bureau of Mines.





CHARLES LAURENCE DAKE, A. B., A. M.,
Ph. D.

Acacia, Phi Beta Kappa, Sigma Xi,
Gamma Alpha.

Professor of Geology and Mineralogy.



LEON ELLIS GARRETT, B. S.

Tau Beta Pi
Professor of Mechanics.



CHARLES EDWARD COOKE

Gamma Alpha, Sigma Gamma Epsilon.
Professor of Topographic Engineering.
Washington Society of Engineers.
Topographic Engineer, U. S. G. S.



LT. HOWARD LOUIS PECKHAM

Professor of Military Science and Tactics.
First Lieutenant, Corps of Engineers, U. S.
Army.

Society of American Military Engineers.



ROLLAMO



FRANK EDWARD DENNIE, B. S.
Associate Professor of Athletics.
Physical Director.



HENRY HORTON ARMSBY, B. S., C. E.
Sigma Nu, Phi Kappa Phi
Associate Professor of Civil Engineering.
Member of Society for Promotion of Engineering Education.



HOWARD LEROY DUNLAP, B. S., A. M.
Phi Delta Chi
Associate Professor of Chemistry.
American Chemical Society.



FREDERICK WILLIAM SHAW, M. D.
Associate Professor of Hygiene.
U. S. Army, 1910-1919, Graduate Student
John Hopkins, Research Student Wm. Volker
Research Laboratory, 1919.





JOSEPH HENRY BOWEN
Assistant Professor of Mechanical Engineering.



FLOYD HILL FRAME, A. B.
Phi Kappa Phi
Assistant Professor of Electrical Engineering.



EUGENE LEE JOHNSON, Ph. B., LL. B.
Assistant Professor of English.
Secretary to the Faculty.



GARRETT A. MUILENBURG, A. B., M. S.
Sigma Gamma Epsilon
Assistant Professor of Geology and Mineralogy.



ROLLAMO



JOSEPH RAMON GUITERAS, E. M.
Tau Beta Pi.
Assistant Professor of Geology.



ROBERT LEE RHOADS, B. S., M. E.
Delta Upsilon.
Assistant Professor of Mechanical Engineering.



CLAIR VICTOR MANN, B. S.
Tau Beta Pi.
Assistant Professor of Drawing, American
Ass'n of Engineers, Society for Promotion of
Eng. Education.



JOSIAH BRIDGE, A. B., M. S.
Sigma Xi, Sigma Gamma Epsilon.
Assistant Professor of Geology.





RYLAND FLETCHER RATLIFF, A. B., A. M.
Assistant Professor of Physics.



MARTIN HARMON THORNBERRY, Met. E.,
B. S. (Gen. Sc.)

Sigma Gamma Epsilon.

Instructor in Metallurgy, Research Metal-
lurgist Experiment Station.



CLARENCE EDWARD BARDSLEY, B. S.
Assistant Professor of Topographical Engi-
neering.



WARREN SCOTT BOYCE, A. B., A. M., Ph. D.
Assistant Professor of Economics.



ROLLAMO



VAN BUREN HINSCH, B. S., E. M.
Phi Delta Theta
Instructor in Mathematics.



JOSEPH HENRY UNDERWOOD
Instructor in Forge Shop.



ARTHUR SCOTT
Master Sergeant, U. S. A.
Instructor in Military Science and Tactics.



THOMAS MELLOR BAINS, E. M.
Beta Theta Pi, Tau Beta Pi, Sigma Xi.
Military Order of Dragons.
Instructor in Metallurgy.



ROLI AMO



RALPH VINCENT PRITCHARD, B. S.
Instructor in Mathematics.



JOE BEATY BUTLER, B. S.
Instructor in Civil Engineering.
American Ass'n of Engineers. Charter
Member of Soc. of Am. Military Engineers.



OSCAR ADAM HENNING, A. B., A. M.
Instructor in German.



PIERRE CELESTIN CAMBIARRE, A. B., Ph. B.
Instructor in Spanish and French.



ROLLAMO



KARL KENNETH KERSHNER, B. S., M. S.

Phi Kappa Phi
Instructor in Chemistry.



VICTOR KOPPLE FISCHLOWITZ, B. S.

Instructor in Chemistry.



EDMUND HAROLD WOOLRYCH

Kappa Sigma
Instructor in Drawing.



Other Faculty Assistants

MARION S. BADOLLET, B. S.	<i>Assistant in Chemistry</i>
BARNEY NUDELMAN, B. S.	<i>Assistant in Chemistry</i>
WILLIAM W. WEIGEL, B. S.	<i>Assistant in Mining</i>

OTHER OFFICERS

EDWIN KAHLBAUM	<i>Business Manager</i>
ROBERT R. DICKERSON	<i>Supt. of Grounds and Bldgs.</i>
ZELLA ELIAS	<i>Secretary to Director</i>
MRS. H. O. NORVILLE	<i>Assistant Librarian</i>
NINA EDITH ENGLISH	<i>Cataloguer, Library</i>
NANCY HARRISON	<i>Assistant in Library</i>
ELIZABETH MONTGOMERY	<i>Stenographer</i>
RUTH F. STEVENS	<i>Stenographer</i>
EVA MAY UNDERWOOD	<i>Stenographer</i>
MILDRED S. FISCHLOWITZ	<i>Stenographer</i>

BUREAU OF MINES EXPERIMENT STATION

J. J. RUTLEDGE, Supt.	<i>St. Louis, Missouri</i>
JOHN GROSS, Metallurgist	<i>Rolla, Missouri</i>
WILL H. COGHILL, Metallurgist	<i>Platteville, Wisconsin</i>
C. O. ANDERSON, Metallurgist	<i>Platteville, Wisconsin</i>
WALTER SCOTT, Ass't Metallurgist	<i>Rolla, Missouri</i>
NOLL HUBBARD, Chief Clerk	<i>Rolla, Missouri</i>
ALBERT L. JOHNS, Clerk	<i>St. Louis, Missouri</i>

STUDENT ASSISTANTS

E. S. WHEELER, <i>Chemistry</i>	M. L. FREY, <i>English</i>
HUSTON TAYLOR, <i>Chemistry</i>	S. L. LLOYD, <i>English</i>
E. W. REMBERT, <i>Chemistry</i>	W. L. STEWART, <i>Mathematics</i>
J. P. COLBERT, <i>Civil Engin.</i>	H. C. LOESCHE, <i>Drawing</i>
H. E. ZOLLER, <i>Civil Engin.</i>	C. J. MILLAR, <i>Gymnasium</i>
E. G. MACHIN, <i>Civil Engin.</i>	E. J. TORRENCE, <i>Office</i>
L. E. DAVIDSON, <i>Geology</i>	A. L. ACKERS, <i>Vocl. Tr.</i>
W. F. NETZEBAND, <i>Geology</i>	J. L. BULGER, <i>Gymnasium</i>
H. W. HURST, <i>Assaying</i>	J. P. GORDON, <i>Gymnasium</i>
WAYMAN CROW, <i>Metallurgy</i>	W. W. BOLT, <i>Gymnasium</i>
J. H. ROHLOFF, <i>Metallurgy</i>	W. W. KEELER, <i>Vocational Training</i>
R. L. JOHNSON, <i>Metallurgy</i>	J. EWART JONES, <i>Vocational Training</i>
H. L. BAILEY, <i>Mining</i>	GEO. B. BLOOM, <i>Vocational Training</i>
D. E. HUFFMAN, <i>Physics</i>	JOHN H. DOUGHERTY, <i>Reg. Office</i>



ROLI AMO

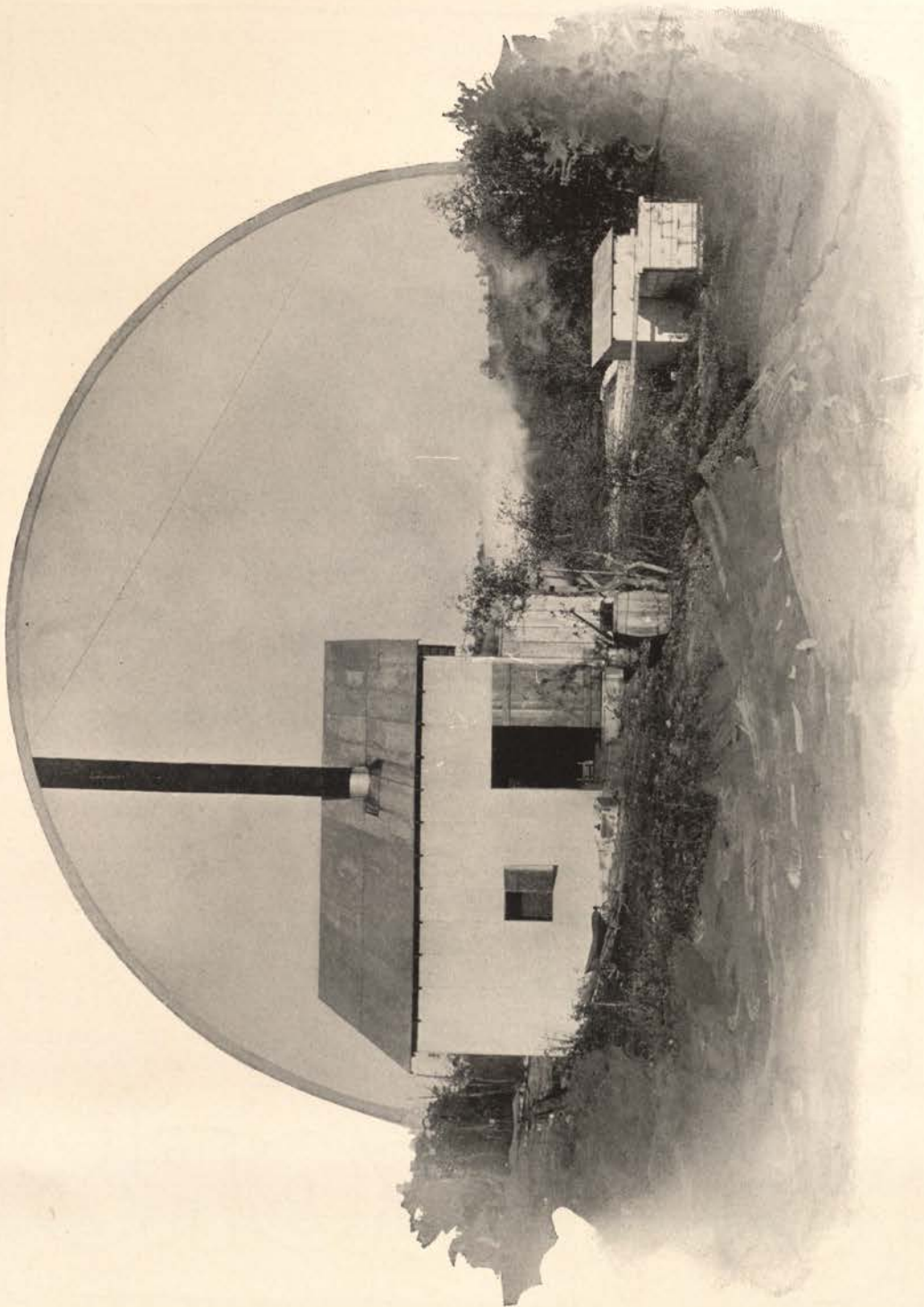


SENIORS

JOE WILSON



ROLLAMO



ROLI AMO

Senior Class Review



THE majority of our class entered school in the fall of '17, but since the war many men of former classes have returned to affiliate themselves with the class of '21.

As Freshmen, we took our share of hazing, as all good Freshmen should, and looked forward to the next year when, as Sophs, it would be our turn. The next fall, however, found the S. A. T. C. established in the school and we were able to administer instruction to the Frosh only on rare occasions.

We have always been represented in all branches of athletics. During this year the records made by Mort Wilson, Cairns (Captain), and White at football; Rohloff at basketball; and Needham and White in track are records that any class could be proud of.

As students, throughout our college career, we find that we have had representatives in the two extremes of the classes. The average of the class, as a whole, has ranked high.

Members of our class have always been leaders in all forms of school activities. We were among the leaders in the nationalizing of the Guards of St. Patrick and were the first Junior class to present the Guard of St. Patrick Pin or Emblem to the graduating class.

Strange is the feeling of each Senior as the time draws near for him to start out in the world and prove the value of a college education. As Freshmen, we envied the Seniors who were about to leave school, but now, as Seniors, we envy those undergraduates who will return again to M. S. M.

OFFICERS

L. E. DAVIDSON	President
R. K. STROUP	Vice-President
V. I. KEETER	Secretary

STUDENT COUNCIL REPRESENTATIVES

A. F. DELALOYE	L. E. DAVIDSON
R. K. STROUP	



1921



HAROLD LELAND BAILEY

Virginia, Ill.

Mine Engineering

Class 1920

Pi Kappa Alpha, Theta Tau, Quo Vadis, Satyr, American Ass'n of Engineers, Student Council 1919, Pres. Athletic Board.

"Bill" is another one of our mid-year graduates. A practical man thru and thru and one on whom we can count to bring home the bacon. Would never disclose his middle name except on very special occasion. Was Prof. Forbes' right-hand man and spent most of his time in Mining Lab.

GEORGE BARNETT BLOOM

Maysville, Mo.

General Science

Class 1920

Kappa Alpha, Sigma Gamma Epsilon, Quo Vadis, Square and Compass, A. I. M. & M. E., Editor Rollamo 1920, Pres. Student Council '20, Tennis Team 1920, Student Instructor Mineralogy in 1920.

"Blossom" graduated in December and fell for the army life. He just couldn't stay out of the clouds. He is now flying at Carlstrom Field in Florida. Bloom was here last summer and admitted that he enjoyed every minute of the time.

EDWIN JOSEPH BOHN

St. Louis, Mo.

Civil Engineering

Class 1921

Kappa Alpha, Quo Vadis, A. A. E., Mercier Club, "M" Football '17, '18, Honorary "M" 1920, "M" Basketball '19, '20, "M" Track '19, '20, Captain Basketball 1919-'20, Elected Captain Track 1920-'21.

"Eddie" left us in November '20, but his influence will long be felt in the school. The Memorial that we are erecting to him but slightly expresses the high regard which we have for him.



1921

KARL WILLIAM BOOKER Kansas City, Mo.
Mine Engineering *Class 1921*

Pi Kappa Alpha, Press Club, Square and Compass, Student Council '20, American Ass'n of Engineers, Mo. Mining Ass'n, A. I. M. & M. E. Miner Board '20, '21.

"Book" hails from Kansas City, but has tried to live that down by his work on the Miner Board. Is a hard and consistent worker. A real student and a strong supporter of all school activities. Has been known to visit Cuba with alarming regularity. Has no inclination to argue.

CARROLL PRESTON BURFORD Beaumont, Texas
Mine Engineering *Class 1921*

Pi Kappa Alpha, American Ass'n of Engineers, A. I. M. & M. E., Rollamo Board '20.

No one seems to know just how he acquired the good old Spanish name of "Bobo," but Dame Rumor has it that he was a gun in Descrip. Is one of our most consistent and nonpartial fussers.

ARTHUR L. CAIRNS Cape Girardeau, Mo.
Metallurgy *Class 1920*

Sigma Nu, Pipe and Bowl Club, Captain Football Team '20, "M" in Football in '17-'18-'19-'20.

Buddy voluntarily incarcerated himself for life early in the Football season. Won his fourth letter in football in '20. Has some expectations of being a Met. Engr.



1921



KUANG YU CHANG Kunghsien, Honan, China
Mine Engineering *Class 1921*

Independent, American Ass'n of Engineers,
A. I. M. & M. E.

Chang hails from China, and therefore we are short of dope on his mental afflictions such as fussing. Nevertheless, he is a good student and a willing worker. We are inclined to believe from his actions that "Someone" is waiting for him.



JULES PHILIP COLBERT Maryville, Mo.
Civil Engineering *Class 1921*

Pi Kappa Alpha, Tau Beta Pi, C. E. Society, American Ass'n of Engineers, Delegate to St. Pat's Convention '20.

"Jules Philip" has all the qualifications of a Prof. and takes especial delight in showing the Vocates that they don't know much about Trigonometry and Algebra. Armsby's right-hand man.



LAWRENCE COLLINS Quincy, Ill.
Mine Engineering *Class 1914*

Grubstakers, Theta Tau, Quo Vadis, American Ass'n of Engineers, A. I. M. & M. E., Mo. Mining Ass'n, Rollamo 1913-'14, Business Mgr. Ath. Ass'n 1913-'14.

"Mike" was a member of the '14 class who returned to school last fall for his degree. He found the ways of the student much different from those of olden days. Noted for his regular attendance at the shows and his stories of Mexico and Russia and his famous expression: "It's all a ——— mistake."



1921

BENJAMIN S. CORNWELL
Mine Engineering

St. Louis, Mo.
Class 1921

Pi Kappa Alpha, Sigma Gamma Epsilon,
American Ass'n of Engineers, Mo. Mining Ass'n.,
A. I. M. & M. E.

"Bennie" was in the navy, but he had a friend
who was a pilot in the Cavalry. As a "fusser"
we can't hand him much, but that is the girls'
hard luck and not his.

WAYMAN CROW
Metallurgy

St. Louis, Mo.
Class 1919

Kappa Alpha, American Ass'n of Engineers,
A. I. M. & M. E., Chem. and Met. Society;
Miner Board 1917.

Crow spent some few years in the army and
returned to school in 1919. He has been work-
ing under "Boots" since he came back and is
now quite a metallurgist and well known as an
Electrical Engineer.

LEWIS ELY DAVIDSON
Mine Engineering

Savannah, Mo.
Class 1918

Prospectors, Phi Kappa Phi, Tau Beta Pi, Theta
Tau, American Ass'n of Engineers, President
Senior Class, Rollamo Board '19-'20, A. I. M. &
M. E.

Will probably be a geologist. Spent last sum-
mer chasing "Ruby Doux" over the Ozarks.
Says he found several excellent specimens, but
can show no conclusive evidence. Metamorphi-
cally speaking, occurs locally in contact with
Hurst and Bailey.



1921



AUGUST FRANCIS DELALOYE Rolla, Mo.
Mine Engineering Class 1921

Independent, J. Q., American Ass'n of Engineers, Mo. Mining Ass'n., A. I. M. & M. E., Pres. Junior Class '20, Bus. Mgr. Athletic Ass'n '19-'20.

"Gus" is an Ozark product and is generally seen in "Lights" with his pipe in one hand and a cue in the other. Sometimes he has been known to tote a book around. He is Bob Dickerson's chief flunky, and was never known to bother the skirts. Also an authority on "home brew."

WILLIAM R. DENISON Rolla, Mo.
Civil Engineering Class 1921

Bonanza Club, American Ass'n of Engineers, Mo. Highway Engineers' Ass'n.

"Pride of the Ozarks." Has a tendency toward the gentle art of fussing, especially within "The" family! Aspires to the position of county surveyor in 1945.

JOHN R. FIEDLER Shelbyville, Ind.
Mine Engineering Class 1921

Pi Kappa Alpha, Theta Tau, American Ass'n of Engineers, A. I. M. & M. E., Mo. Mining Ass'n.

Fiedler returned to school after service in the army and several years of practical experience, but never allowed that to affect him as he got back into the "swim" very easily. Is one of the few in school this year who miss the good old days.



1921

VICTOR K. FISCHLOWITZ
Chemical Engineering

St. Louis, Mo.
Class 1920

Independent, Metallurgy and Chemical Society.

"Fish" hasn't left Rolla for two years but once. He was sure lucky that time, though, for he brought back his "better half." He now spends his time in trying to penetrate the domes of some of the Sophomore Chemists.

PERCY G. FORMAN
Mine Engineering

Sasakwa, Okla.
Class 1920

Pi Kappa Alpha.

Percy is another one of those whom fate has led astray. Is also one of those quiet, unobtrusive fellows who is always ready to shoulder his share of the work and is sure to do it to the best of his ability. Can be seen most any time of the day carrying home groceries or getting in wood.

EARL MCKINLEY GUY
Mine Engineering

Davenport, Iowa
Class 1921

Bonanza, Square and Compass, Star and Garter, Satyr, American Ass'n of Engineers, Missouri Mining and Metallurgical Ass'n., Pres. of Trowel Club '19-'20.

One of the shortcomings of Davenport. Caruso of the Country Club. Usually seen looking for something that he has lost.



1921



ABNER DECKER HAHN
Mine Engineering

Muscatine, Iowa
Class 1921

Independent.

Hahn became a member of the Benedicts of M. S. M. before he was half thru school. Is a frequent visitor to the library and picture show with his better half as company. Was quite a gun in the S. A. T. C.



BERNARD ELY HAMMER
Mine Engineering

Stanton, Mo.
Class 1921

Pi Kappa Alpha, American Ass'n of Engineers, A. I. M. & M. E., Square and Compass.

A burner of the midnight oil for more than one reason. Ben likes to travel, but doesn't believe in railroad fares. May be found at H. & S. when the high six is not in session.



WILLIAM F. HOKE
Mine Engineering

Lee's Summit, Mo.
Class 1921

Kappa Sigma.

This handsome gentleman came from Drury to this place in order to become an engineer. Can always be found at the dances and is a very popular man among both sexes. He who loves not the women, wine and song had might as well be dead all his life long.



1921

HOMER A. HOLLINGSHEAD
Mine Engineering

Hannibal, Mo.
Class 1921

Sigma Nu, American Ass'n of Engineers, Mo. Mining Ass'n., A. I. M. & M. E.

Formerly of Hannibal, but grew ashamed to admit it so he claims St. Joseph now. Is reported to have made regular trips to St. Louis and then stopped suddenly. Is trying to re-establish his fame as a pugilist.

DANIEL E. HUFFMAN, JR.
Metallurgy

St. Louis, Mo.
Class 1921

Independent, Square and Compass, Press Club, Miner Board, Methodist Engineers.

"Little Eva" is a Mining Engineer and has been of great assistance to the Physics Department in his investigations of the electrical fields in the bottom of the Frisco Pond. His chief pride is the little growth which he has so faithfully nurtured on his upper lip. Is going to China when he learns all there is to be learned here.

HARRY H. HUGHES, JR.
Mine Engineering

Santa Monica, Calif.
Class 1921

Pi Kappa Alpha, Satyr, Pipe and Bowl, American Ass'n of Engineers, A. I. M. & M. E.

"Bus" hasn't anything against studying but just hasn't the time for it. Takes particular delight in smokers and has been known to make several trips to the Fair Grounds. Has some hopes of becoming a Mine Engineer.



1921



HAROLD W. HURD
Mine Engineering

Paris, Mo.
Class 1919

Lambda Chi Alpha.

We always thought Hurd was from Paris, France, until one day we asked him about his birthplace. All the girls were wild about him, and now that he has left us they visit the P. O. every day. (They did this before he left, too.) Probably spends his time and money buying postage stamps.

HENRY W. HURST
Mine Engineering

Kansas City, Mo.
Class 1921

Prospectors, Theta Tau, American Ass'n of Engineers, A. I. M. & M. E., Square and Compass, Student Council '20, Rollamo Board '20.

"Hank" hails from K. C., but claims good old U. S. A. as his home. One of the few remaining members of the "Old School." For character reference, see Bailey or Davidson.

ROBERT E. ILLIDGE
Mine Engineering

Corbett, Oregon
Class 1920

Prospector, J. Q., Mercier Club.

Speaks Chinese. Readily gained his greatest reputation as a fusser. Made the fatal leap and is now a "life-termer." The man who originated the laugh and brought it to its highest degree of development.



1921

RICHARD L. JOHNSON
Metallurgy

Henryetta, Okla.
Class 1921

Kappa Sigma, American Ass'n of Engineers,
A. I. M. & M. E.

Johnson is known to everybody as Dick and also knows everyone in Rolla. Always keeps an eagle eye on his suitcase when returning to Rolla. He must have killed a deer out of season as he is always getting letters from the Game Department. Forgets that the K. Z. house is his home when a certain girl is in town. We would say "Little Joe" as well as "Little Dick."

W. W. KEELER
Mine Engineering

Tulsa, Okla.
Class 1921

Kappa Sigma, Sigma Gamma Epsilon, A. I. M. & M. E.

Known to his friends as Pb. O. Never known to move faster than a walk. Reads the latest fiction and makes up a lot. Rolla's girls offer no attraction to Keeler. We wonder why?

VERNON I. KEETER
Electrical Engineering

Maysville, Mo.
Class 1921

Kappa Sigma, Satyr, Square and Compass. "Baldy" is the pride of Maysville. Spends his time reading meters and the popular magazines. Is working on a formula for growing hair on a billiard ball. Didn't come very far from being a mosquito.



1921



HOMER CHALMERS KERR
Mine Engineering

Rolla, Mo.
Class 1921

Independent, Satyr, American Ass'n of Engineers, Miner Board '18-'19-'20.

Kerr is also a home-grown product and can be located at Scott's Drug Store or on Salem Avenue. When he fails in his Mine Engineering we suspect that he will lecture on "The Art of Love-making." He is proficient in this line, and many recommendations can be had upon application.

ALBERT CHARLES LAUN
Chemical Engineering

St. James, Mo.
Class 1921

Lambda Chi Alpha, Satyr, Square and Compass, Met. and Chem. Society.

"Fat" is from St. James but says that he can't help it.

HIRAM PETTIBONE LAWRENCE
Metallurgy

Norfolk, Conn.
Class 1921

Independent, Mercier Club.

"Hi" is an Easterner who fell for one of our Rolla girls. Now a Vocate, and spends his time assaying and rolling the bones at the H. & S.



1921

LEWIS E. W. LEPPER Marlboro, Mass.
Mine Engineering *Class 1914*

Beta Theta Pi, Sigma Gamma Epsilon, Square and Compass, "M" Football '13.

Lepper attended Colgate in 1912 and in 1913 made his letter here in Football. And now "Poicey" is back with us again as a Vocational Man, with the Miner pep.

LLOYD EARL LUMPKIN Jefferson City, Mo.
Electrical Engineering *Class 1921*

Bonanza Club, American Association of Engineers.

Lloyd Earl Lumpkin—the boy with the long-flowing locks. Spends most of his time debating with BeDell as to whether Jeff City or St. Louis is the more corrupt. "Lumpy" generally wins on Jeff City.

HENG YUNG MA Amyang, Honan, China
Mine Engineering *Class 1921*

Independent, American Institute of Mining and Metallurgical Engineers.

Ma also comes to us from the Eastern Continent. He is a great believer in Frame's course in E. E. and H. & S. Pool Hall. He is also chief critic on the Junior Class Lyceum Course Committee.



1921



CHARLES JAMES MILLAR
Chemical Engineering

Webb City, Mo.
Class 1920

Sigma Nu, Pipe and Bowl Club, Student Assistant in Department of Special Research.

"Liz" graduated at Christmas, but likes to study so well that he is still here. At present he is faithfully guarding the "Student's Health" with the able assistance of Dr. Shaw.



EDWIN LAWRENCE MILLER, JR. Kansas City, Mo.
Mine Engineering *Class 1921*

Pi Kappa Alpha, Press Club, American Ass'n of Engineers, A. I. M. & M. E., Square and Compass, Miner Staff 1919-1920, Editor Miner 1921, Missouri Mining Association.

"Schnutze" left us in December after an interrupted college career dating back to 1914. Was a gun in Descript. Joined the ranks of the benedicts shortly before leaving school, thus gaining extra credit in "fussing" laboratory.



CHARLES R. MIZE
Mine Engineering

Independence, Mo.
Class 1921

Kappa Sigma, Tau Beta Pi, Sigma Gamma Epsilon, A. I. M. & M. E., Satyr.

Started his quest for knowledge in 1912, left school in 1913 and did not return until he had distinguished himself in the World War. He returned in 1919 and completed his course at Christmas. Upon graduation he joined the Field Artillery and is working for Uncle Sam again.



1921

HERBERT W. MUNDT
Mine Engineering

St. Louis, Mo.
Class 1920

Prospector, J. Q., Square and Compass,
Mo. Met. and Mining Ass'n.

The man with the "Bill Hart" physiognomy.
Quick on the draw and doesn't miss. One
of the few men who haven't made a mistake—
as yet. "By the way, loan me a cigarette."

HERMAN MUTZ
Mine Engineering

Elizabethtown, N. Mex.
Class 1921

Prospector, Theta Tau, Mercier Club, J. Q.,
Mo. Met. and Mining Ass'n.

Mutz was some worker and surprised the
Profs by getting out of school sooner than they
had expected. Also surprised us by getting
married as soon as he was out of school.

ALBERT B. NEEDHAM
Mine Engineering

Collinsville, Ill.
Class 1921

Lambda Chi Alpha, Sigma Gamma Epsilon,
Quo Vadis, A. I. M. & M. E., Rollamo Board
'20, St. Pat 1920, Vice-President Class '20,
"M" in Track '20.

"Squeek" has done a little of everything since
coming to Rolla, and now we hear that he is
going to Oklahoma as Instructor in Calculus,
Ore Dressing and Surveying. Has made the
discovery that "The Moon is Beaming."



1921



WM. FERDINAND NETZEBAND St. Louis, Mo.
Mine Engineering Class 1921

Grubstakers, Tau Beta Pi, Phi Kappa Phi American Ass'n of Engineers, A. I. M. & M. E., Mining Ass'n, Miner Board '19, '20, '21.

Bill hails from St. Louis and won his letter in Mineralogy. Quiet and studious to the extreme. Never fussed much in Rolla, but was seen with one of the fair ones in the city. Always has been a willing worker in student activities. Just mention "Kris" to Bill and watch him blush.

HOWARD OLIVER NORVILLE Beardstown, Ill.
Mine Engineering Class 1921

Pi Kappa Alpha, Theta Tau, Square and Compass, Editor in Chief "Miner" 1921, A. I. M. & M. E., Mo. Met. and Mining Ass'n, Student Council 1919-'20.

"H. O." is one of the erring and another of our mid-year graduates. Liked Rolla so well he continued to stay after his graduation to edit the Miner and to assist H. & S. to rake in the students' extra "shekels." Has some hopes of becoming a Mine Engineer.

BARNEY NUDELMAN St. Louis, Mo.
Chemical Engineering Class 1921

Prospectors, Phi Kappa Phi, Met. and Chem. Society, Diphenyl Dozen.

Barney is now doing P. G. work, looking towards a position as assistant beaker boy. Would be a musician, but the necessity of impressing chemistry on the "Frosh" occupies too much of his time.



1921

HAROLD FORD PATTERSON Warrensburg, Mo.
Mine Engineering *Class 1921*

Sigma Nu, American Association of Engineers.
"Handsome Harold," is one of Rolla's high-powered "fussers." Taking several correspondence courses now. Only man in school that ever outran Fred White. Prefers Buicks.

JOSEPH H. ROHLOFF St. Joseph, Mo.
Metallurgy *Class 1921*

Lambda Chi Alpha, Sigma Kappa Zeta, Sigma Gamma Epsilon, "M" in Basketball 1920, 1921.

"Dizzy" is one of our star Basketball men and we are sorry that he is going to coach a rival team next year. He is another Missourian that has been corrupted by cash and is going to Oklahoma.

JULIUS C. SALMON, JR. Rayville, La.
Mine Engineering *Class 1921*

Bonanza Club, Quo Vadis, Mo. Mining Ass'n, A. I. M. & M. E.

"Fish" says he knows geology, but isn't going to put it out until he gets paid for it. Has burned the candle at both ends and has had good (?) results.



1921



LEON B. SCHUMACHER
Metallurgy

St. Louis, Mo.
Class 1921

Kappa Sigma, A. I. M. & M. E., American Ass'n of Engineers, Star and Garter.

"Schumi" is a typical St. Louis product. Does not seem to realize that he is in Rolla. Wonders why the Rolla girls want to kiss him when he takes them home from a dance. Well, you know he's good-looking and girls will be girls.



SAMUEL N. SHANFELD
Chemical Engineering

St. Louis, Mo.
Class 1921

Prospectors, Tau Beta Pi, Met. and Chem. Society.

Very quiet and unassuming. Exceedingly modest in presence of ladies. Successfully concealed his baser instincts until his record was established as a student and then overnight blossomed into an unexcelled ladies' man.



H. P. SHIH
Metallurgy

Chi Yuan, Honan, China
Class 1921

Independent, Tau Beta Pi, A. I. M. & M. E., American Ass'n of Engineers.

"Mike" has the distinction of being one of the few foreign members of Tau Beta Pi. He received his degree as a Christmas present in 1921 and has gone forth to make his fortune. Also received his B. S. degree in pool lab. shortly after he came, but gave it up finally for the more ardent love for picture shows.



1921

WILLIAM LINCOLN STEWART Pittsburgh, Pa.
Mine Engineering *Class 1921*

Pi Kappa Alpha, Tau Beta Pi, Phi Kappa Phi, Pipe and Bowl Club, Star and Garter.

Altho "Bill" is one of the guns of the class, he doesn't allow his studies to interfere with his college education. Has plenty of school spirit and pep and is a loyal supporter of all school activities. When not fussing he spends his time at school.

ROBERT KNOX STROUP Quincy, Ill.
Mine Engineering *Class 1920*

Grubstakers, Theta Tau, Tau Beta Pi, Mo. Mining Ass'n, American Ass'n of Engineers, A. I. M. & M. E., Miner Board, '17-'18.

"Old Politician Bob" is so called because he can argue religion and politics by the hour. His exact religion is unknown, but it is thought that he is inclined towards Mormonism. He made his social splash this year, but since then he has not bothered the "400" any. He also gained some renown as a baggage smasher. A jolly good fellow after all is said.

RICHARD JOHN STROUP Quincy, Ill.
Mine Engineering *Class 1918*

Grubstakers, Theta Tau, Tau Beta Pi, Mo. Mining Ass'n, American Ass'n of Engineers, A. I. M. & M. E.

"Dick" Stroup is known more generally as the "Gob," due to his peculiar walk acquired while in the Navy. Occasionally seen at the School of Mines caring for the Mine Surveyors. Never known to fuss in Rolla.



1921



HUSTON TAYLOR

Chemical Engineering

Rolla, Mo.

Class 1921

Kappa Sigma, Satyr, Met. and Chem. Society, Diphenyl Dozen, Miner Board '17-'18-'19, St. Pat in 1918, Pres. Met. and Chem. '21.

Better known as "Porky." A real politician and sooner or later gets things his way. Can borrow seventeen hundred dollars on a dime. Imports his friends from Lebanon and shows unusually good taste. Is not so very large, but then you know what comes in small packages.

H. F. VALENTINE

Mine Engineering

Marshall, Mo.

Class 1921

Bonanza, Sigma Gamma Epsilon.

Valentine spent several years working for Uncle Sam and as a reward for his services he has been given Vocational Training. He worked a miracle in producing 60 beads which he had obtained when here at a former date. He parted and weighed these, checking all but three.

MILTON W. WALLACE

Electrical Engineering

E. Orange, N. J.

Class 1921

Grubstakers, American Ass'n of Engineers.

"Milt" is a true son of the East; came west to inhale Western Brand of Knowledge. He can always be found playing pinochle when not studying E. E. Was once known to fuss one of the fair sex in Rolla.



FRED POPE WHITE
Mine Engineering

Ft. Worth, Texas
Class 1921

Kappa Sigma, Square and Compass. Football '16-'19-'20; Basketball '17; Track '17-'19-'20; Capt.-elect of Track 1921.

"Nubian" would not be happy unless he could start a rough house every day. Is very unhappy if he does not receive his yellow letter from Lindenwood daily. We wonder if she knows him as well as we do. A fast man on the track.

ANVIL CLARK WILLIAMS
Civil Engineering

Sullivan, Mo.
Class 1921

Pi Kappa Alpha, Tau Beta Pi, Theta Tau, Phi Kappa Phi, American Ass'n of Engineers.

Clark is a demon for work and is one of the real guns of the school. Seldom fails to knock the Professors off in their quizzes. Takes particular interest in Masonry Design. Though unknown to most of us, he has an extra credit in "fussing lab."

JAMES MORTIMER WILSON
Mine Engineering

Hannibal, Mo.
Class 1921

Sigma Nu, "M" in Football '18-'19-'20.

"Kiss Me" has his reputation as a Tea Hound to uphold. Well known in Hannibal dress suit circles. Member of the "Every Night Letter Club." Favorite song, "All the World Will Be Jealous of Me."





JOSEPH MARTLAND WILSON Rock Rapids, Iowa
Mine Engineering *Class 1921*

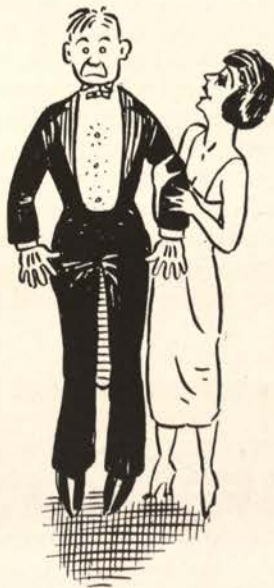
Sigma Nu, Theta Tau, Tau Beta Pi, Phi Kappa Phi, A. I. M. & M. E., Miner Board '19-'20-'21, Rollamo Board '20-'21, Pres. of Freshman Class '18.

"Joe" is known for his ability as an artist. Has invented a leather vest to wear at the dances. Can be found at any time in the Library. Believes in Volstead's Hypothesis.



ROLI AMO

JUNIORS



Junior Class History



Our class returned last fall to school about ninety-eight per cent strong. Some of our class did not come back, but there are a few other men that came from other schools and joined us. The boys all came back with a look of relief on their faces after having weathered the "Damns" and "Goshes" of Professor Dean's Calculus class.

The gang entered M. S. M. back in the days of the S. A. T. C. They came tramping in like a bunch of frightened mountain goats, but soon got over it after they were herded several times between the runways in Mechanical Hall. Then came the much looked for class smoker. It was a howling success. The defeat of the Sophomores in the annual football game was our first real scalp. The year was closed by the successful inauguration of a Freshman dance.

We again blossomed forth in September, '19, with our khakis on and with paddles in hand to teach the Frosh how Darwin arrived at his "Theory on Evolution of Man." This was taught by submerging them in Frisco Pond to the tune of "Whirling Barrel Staves." After several tea parties, we decided to stand by and

let our newly deposited species develop into mining engineers. The Sophomore smoker was next on the program. At this time we gave the Frosh a real treat. Then we added another scalp to our belt by defeating the Frosh in the annual football scrap between the two lower classes. Everything ran along smoothly for the entire year except when one of the hypnotized rabbits would run into the integrating machine backwards. Then the roof of Norwood Hall would rise about six inches.

The general goat of the class was our president, Stanley M. Hayes, who is a world war veteran.

The class is strong in athletics, having several men in football who received letters and also some "M" men in basketball. At present the class has the football championship of the school. We have defeated every class.

We are now ready and anxious to take our places as Seniors and help direct student activities as Seniors must. We have been, and always will be, ready to serve M. S. M.

OFFICERS

S. M. HAYES	President
W. E. CASE	Vice-President
W. H. METZGER	Secretary
J. E. JEWELL	Treasurer



Class Roll

A. L. ACKERS	Staunton, Ill.
H. E. AHRENS	Corning, Mo.
I. W. ALCORN	Ranger, Texas.
W. H. BAXTER	Oklahoma City, Okla.
O. L. BRANDENBURGER	Belleville, Ill.
J. L. BULGER	Gouverneur, N. Y.
EMILIO DE CARDENAS	La Paz, Bolivia.
W. E. CASE	Rolla, Mo.
H. L. CHILDRESS	Galena, Kan.
G. J. CHRISTNER	Horton, Kan.
G. V. COFFEY	La Fontaine, Ind.
F. W. COFFMAN	Liberty, Mo.
KURT DE COUSSER	Rolla, Mo.
A. F. DENISON	Cushman, Ark.
A. DEVEREAUX	Puchuca, Hildago, Mex.
G. P. DIERS	East Orange, N. J.
H. E. DIERS	East Orange, N. J.
J. H. DOUGHERTY	Peoria, Ill.
OTTO EHLE	Washington, Mo.
R. E. ERICKSON	Madrid, Iowa.
W. R. GETTLER	Hannibal, Mo.
MEYER GOLLUB	St. Louis, Mo.
LINDELL HAGOOD	Marshall, Mo.
F. R. HALASEY	Maryville, Mo.
B. E. HAMMER	Stanton, Mo.
S. M. HAYES	Wellsville, Mo.
F. I. HENDERSON	St. Louis, Mo.
J. F. HOSTERMAN	Kansas City, Mo.
R. W. HUNT	Independence, Mo.
F. K. M. HUNTER	Rolla, Mo.
J. E. JEWELL	Kansas City, Mo.
J. E. JONES	Maysville, Mo.
P. H. KARGES	Kansas City, Mo.
E. A. KEELER	Tulsa, Okla.
R. G. KENYON	Rolla, Mo.
R. J. KENYON	Rolla, Mo.
R. H. KNIGHT	St. Louis, Mo.
H. L. LEONARD	Rolla, Mo.
E. G. MACHIN	Bluffton, Mo.
W. H. METZGER	East St. Louis, Ill.
NATHAN PACKMAN	St. Louis, Mo.



ROLLAMO

S. K. REID	McAlester, Okla.
E. W. REMBERT	Jefferson City, Mo.
R. E. RICHARDS	Hutchinson, Kan.
BRUNO RIXLEBEN	Jonesboro, Ill.
N. M. ROUNTREE	Springfield, Mo.
M. I. SIGNER	Tonica, Ill.
C. L. SMITH	Rolla, Mo.
R. D. SMITH	Hutchinson, Kan.
K. R. TEIS	Parkville, Mo.
E. R. TRAGITT	Rolla, Mo.
D. F. UPDIKE	Plainfield, N. J.
A. B. WATTS	Fredericktown, Mo.
THOMAS G. WEIR	Webster Groves, Mo.
E. A. WHEELER	Madrid, Ia.
P. D. WINDSOR	Belleville, Ill.
T. S. WOLVERTON	Green River, Utah.
G. S. WYMAN	Kansas City, Mo.



ROLLAMO



JUNIOR CLASS

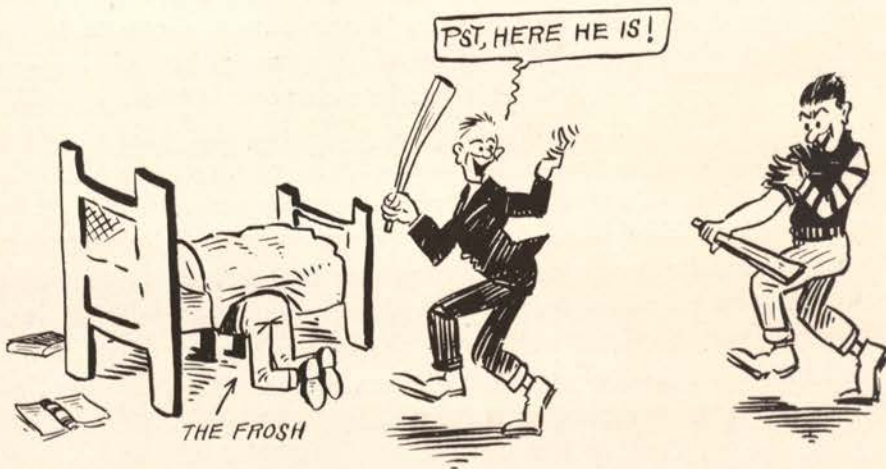




SENIOR SNAPS



SOPHOMORES



History of the Class of '23



Though most of us entered Charlie Fulton's Finishing School for Boys on the banks of the Frisco Pond, yet this is not the outstanding feature of our first-year life. The most important accomplishment of the class has been the ferocious pursuit of knowledge and its brilliant elimination of the academic curricula. Provided with a twenty mule team reciprocating spreader, the class historians felt the lack of sufficient material to fully fertilize this notorious field of '23's felonies [and, quite naturally, turned to the faculty for a little caustic comment and kindly criticism. Prof. Dean was wildly enthusiastic. He sprang four feet and seven inches into the air in a frenzy of admiration. "In eighty years of teaching," cried the genial registrar, kicking out a panel of his fireproof safe, "never have I encountered such a heterogeneous conglomeration of ——!" And he lapsed into eloquent incoherence. With a genuine glow of pleasure at this simple ex-

pression of the Prof's. approval of '23's scholastic endeavors, we left him beaming a pale purple smile and foaming benignly at the mouth.

Twenty-three has found time for other purposes than strictly academic ones. Entertainment for homesick Freshmen was inaugurated at the fall reception. Committees on millinery and haberdashery coached the 1924 increment with such telling effect that we take inordinate pride in our latest, rollicking Rolla college boys. Doubtless, in a few years, these dashing, carefree Frosh will qualify as second class sophomores' helpers.

Twenty-three once, twenty-three twice,
Holy jumping Chinese dice!
Are we Miners? We should smile!
We'll be Miners for a hell of a while!

OFFICERS

S. H. STUART	President
A. B. WILKERSON	Vice-President
VANCE WEBSTER	Secretary
M. N. BEDELL	Treasurer



Class Roll

JOHN LEWIS ANDREWS	Rolla, Mo.
MILO NANSON BEDELL	St. Louis, Mo.
KINGSTON BOWMAN	Keokuk, Iowa.
PAUL MACFARLANE BROWN	Jefferson City, Mo.
JEAN PAUL BRYAN	Rolla, Mo.
IVAN BURCH	Georgetown, Ill.
STEPHEN MICHAEL BURKE	St. Louis, Mo.
HENRY CLARENCE BUSER	Webster Groves, Mo.
FRANCISCO ALEJANDRO CANALES	Ayacucho, Peru.
EVERETT HUNTER CATHCART	Kansas City, Mo.
ALFRED STARKLOFF CHAPPUIS	St. Louis, Mo.
HENRI CHOMEAU	Clayton, Mo.
GEORGE THOMAS DIERKING	St. Louis, Mo.
GLEN ANGUS DOOLEY	Joplin, Mo.
ELBA LAFAYETTE FIPPS	Salem, Mo.
PAUL EDGAR FISCHER	Webster Groves, Mo.
HOWARD FLECK	El Paso, Tex.
WAYNE SHANNON FRAME	Salesville, Ohio.
WALTER PAUL GARRETSON	Carthage, Mo.
WILLIAM PRESCOTT GATTS	Hannibal, Mo.
DOD GRAHAM GIBSON, JR.	Webster Groves, Mo.
JOHN PEMBERTON GORDON	Jefferson City, Mo.
ROBERT F. GRADY	St. Louis, Mo.
FRED EDWIN GRAY	Moran, Kan.
LAWRENCE JAMES GREGG	Independence, Mo.
JOHN JOSEPH HABERTHIER	Wichita, Kan.
MICHAEL VICTOR HEALY	Macon, Mo.
PAUL JENT HEGWER	Sarcozie, Mo.
JOHN FREDERICK HELMERICHS	St. Louis, Mo.
DAVID JOHN HENDRY	St. Louis, Mo.
RALPH ANDREW HOFFMAN	Rolla, Mo.
FRANCIS HERRON HOLLOW	Cuba, Mo.
B. F. HOOVER	Trenton, Mo.
ARMINE BRENE JEWELL	Tulsa, Okla.
VERN GEORGE JOSLIN	Rolla, Mo.
CHARLES BAYARD KALEY	Gouverneur, N. Y.
WILLIAM MILLER KEELING	Falls City, Neb.
IRVIN WILSON KEYES	Richmond, Mo.
ROWLAND JOSEPH LAPEE	Sullivan, Mo.
WILLIARD CLAXTON LAY	St. Clair, Mo.
BEN MCCULLOCH LAYTON	Ferguson, Mo.
ROY ALEXANDER LINDGREN	Chicago, Ill.
LEO LINZER	New York, N. Y.
GUY VERDIER MARTIN	Rolla, Mo.
PHILLIP FRANCIS MARTYN	Cuba, Mo.
FRED PALMER MATLACK	Overland Park, Mo.
FELIX Z. MEEKS	Marshall, Mo.
SAMUEL EGMONT MEINICKE	Bay, Mo.
CARL E. MILLIKAN	Buffalo, N. Y.



ROLLAMO

BILLIE RAYMOND MENNIE	<i>Hannibal, Mo.</i>
DONALD SPEED MOSBY	<i>Jefferson City, Mo.</i>
CHARLES CLIFFORD MOSENA	<i>Falls City, Neb.</i>
JAMES KENNETH MURPHY	<i>Vinita, Okla.</i>
RAYMOND EDWARD MURPHY	<i>Galena, Ill.</i>
HOLLIS EUGENE MCBRIDE	<i>Cape Girardeau, Mo.</i>
MAURICE HUNTER MCCLELLAN	<i>Eminence, Mo.</i>
GEORGE FRANCIS NAWN	<i>Rolla, Mo.</i>
RAYMOND FITZGERALD ORR	<i>Webb City, Mo.</i>
ARLIS BECKHAM PARKHURST	<i>Tulsa, Okla.</i>
HARRY SIMANTON PENCE	<i>Falls City, Neb.</i>
EDWARD PESOUT	<i>St. Louis, Mo.</i>
EDWIN KEMP PORTER	<i>Holden, Mo.</i>
JOHN MILTON REEVES	<i>Anderson, Ind.</i>
CHARLES ADELBERT RUNGE	<i>Kirkwood, Mo.</i>
FERDINAND EUGENE SAPPER	<i>Galveston, Tex.</i>
KARL AUGUSTUS SCHMIDT	<i>Springfield, Mo.</i>
HERBERT G. SCHWARZ	<i>Syracuse, N. Y.</i>
THEODORE C. SCOTT	<i>Jefferson City, Mo.</i>
ALFRED LEON SOTIER	<i>St. Louis, Mo.</i>
STUART ESSELMAN STORRS	<i>Hannibal, Mo.</i>
SAMUEL HENRY STUART	<i>Rolla, Mo.</i>
KEDZIE TELLER	<i>Riverside, Ill.</i>
WILLIAM EARL TETER	<i>Bunker Hill, Ill.</i>
CHARLES CYRUS TEVIS	<i>Holden, Mo.</i>
LAWRENCE THOMY	<i>St. Louis, Mo.</i>
ROWLAND TRAGITT	<i>Rolla, Mo.</i>
RONALD DAVID WAILES	<i>Eaton, Colo.</i>
WILLIAM HENRY WALLING	<i>Dayton, Wyo.</i>
JOE M. WANEMACHER	<i>Steubenville, Ohio.</i>
MARION WHITFIELD WATKINS	<i>Memphis, Tenn.</i>
VANCE WEBSTER	<i>Anderson, Ind.</i>
MELVIN POWELL WEIGEL	<i>Fredericktown, Mo.</i>
WALTER HENRY WEIMER	<i>Girard, Kan.</i>
HARRY WELLS	<i>St. Louis, Mo.</i>
EVERETT JOHN WENDELL	<i>Peoria, Ill.</i>
WALTER A. WERNER	<i>St. Louis, Mo.</i>
JAMES A. WESTGARD	<i>Rolla, Mo.</i>
AUGUSTUS BENTON WILKERSON	<i>Aurora, Mo.</i>
CHARLES WILMESHERR	<i>Cuba, Mo.</i>
EDGAR MARK WILSON	<i>Caney, Kan.</i>
GEORGE AUGUST ZELLER	<i>St. Louis, Mo.</i>
ROBERT CAVERO ZEVALLOS	<i>Callao, Peru.</i>
WILLIAM CLARK ZIEGLER	<i>Providence, R. I.</i>
HENRY EUGENE ZOLLER	<i>Tulsa, Okla.</i>
SAMUEL IRVIN ZOOK	<i>Buffalo, Kan.</i>





SOPHOMORE CLASS



SENIOR SNAPS



• FRESHMEN •



JOE WILSON '21



History of Class of '24

Each of the upper classmen must remember the day when we arrived in Rolla as verdant Freshmen; the time that we had getting acquainted; the first week of our life that was so buried in the adventure of the night life of Rolla.

The first week was a very trying one for us with its usual nocturnal activities when it was dangerous for either Soph or Frosh to venture upon the streets of Rolla alone. There was the never-to-be-forgotten exodus to the Fair Grounds, where, on a pleasant Sunday evening, we counted the gang and got acquainted with one another. After that extremely restful (?) night, and a hearty breakfast of one cup of coffee for each of us, we marched back into town some fifty-odd strong. The Sophs were victorious in the class fight, but the odds were against us, inasmuch as their class was the largest class that was ever grouped together under any class organization. The Sophomore Smoker in the evening made us feel at home at M. S. M.

On November the 20th, we got sweet revenge on our self-appointed guardians, the class of '23, by beating them in the annual football game by the score of 19 to 6. After this game everyone thought that class football was over for the year. The Juniors, however, challenged us and we accepted. About that game we have little to say, except that we did our best and were beaten by the best class team in school.

What did we do for the school in other ways? On the varsity football team we had Buck and Kenning. In addition to these men, we had several others who did duty with the scrubs. In basketball we are well represented by Haywood, Kemper, and McClelland on the varsity, and two other men with the scrubs. Then, too, our class has the honor of organizing the first class orchestra at M. S. M. In various other activities at M. S. M. the class of '24 has tried to do its part, and we pledge our support to all worth-while school activities.



OFFICERS

P. L. BLAKE	President
C. F. ELLIS	Vice-President
R. H. KENNING	Secretary
A. E. BUCK	Treasurer
A. W. NAYLOR	Sergeant-at-Arms



Class Roll

S. C. ALGERMISSEN	Montgomery City, Mo.
R. A. BALLINGER	Gallatin, Mo.
H. E. BARNARD	St. Louis, Mo.
W. J. BARNETT	Bristow, Okla.
B. K. BAUMGARDNER	Rolla, Mo.
P. L. BLAKE	Lynn, Mass.
J. BLICKENS DERFER	Lebanon, Mo.
C. G. BOWERS	Carrollton, Mo.
A. E. BUCK	Central Falls, R. I.
J. P. CAMPBELL	Doniphan, Mo.
H. H. CARLTON	St. Louis, Mo.
R. A. CARTER	Bronaugh, Mo.
JOSEPH CASTELLI	Knobview, Mo.
J. H. CHRISTOPHER	Warrensburg, Mo.
R. M. COURTNEY	Hannibal, Mo.
R. V. A. DAVIDSON	Cherryvale, Kan.
C. B. DAVIS	Rolla, Mo.
H. R. DROUOT	Tulsa, Okla.
O. H. EBLE	St. Louis, Mo.
C. F. ELLIS	Dallas, Tex.
L. A. FORAN	Sorento, Ill.
G. C. GABLER	Coffeyville, Kan.
A. S. GREENSWEIGHT	Rolla, Mo.
R. R. HAMILTON	Rolla, Mo.
E. G. HAYWOOD	South Centralia, Ill.
A. HEDBERG	Chicago, Ill.
H. H. HEIDTMANN	Wright City, Mo.
A. L. HUNT	Independence, Mo.
J. O. HUNT	Hannibal, Mo.
J. E. JETT	Rolla, Mo.
E. H. JOHNS	Carthage, Mo.
C. KEMPER	St. Louis, Mo.
R. H. KENNING	Hannibal, Mo.
H. H. KESSLER	St. Louis, Mo.
W. E. H. KNIGHT	Joplin, Mo.
A. A. LEVINSON	Chicago, Ill.
D. B. LOEVY	St. Louis, Mo.
T. C. LUSTER	Chickasha, Okla.
C. W. MAGALIS	Dallas, Tex.
C. H. MAREK	Sioux City, Iowa.
C. S. METCALF	Greenfield, Ill.



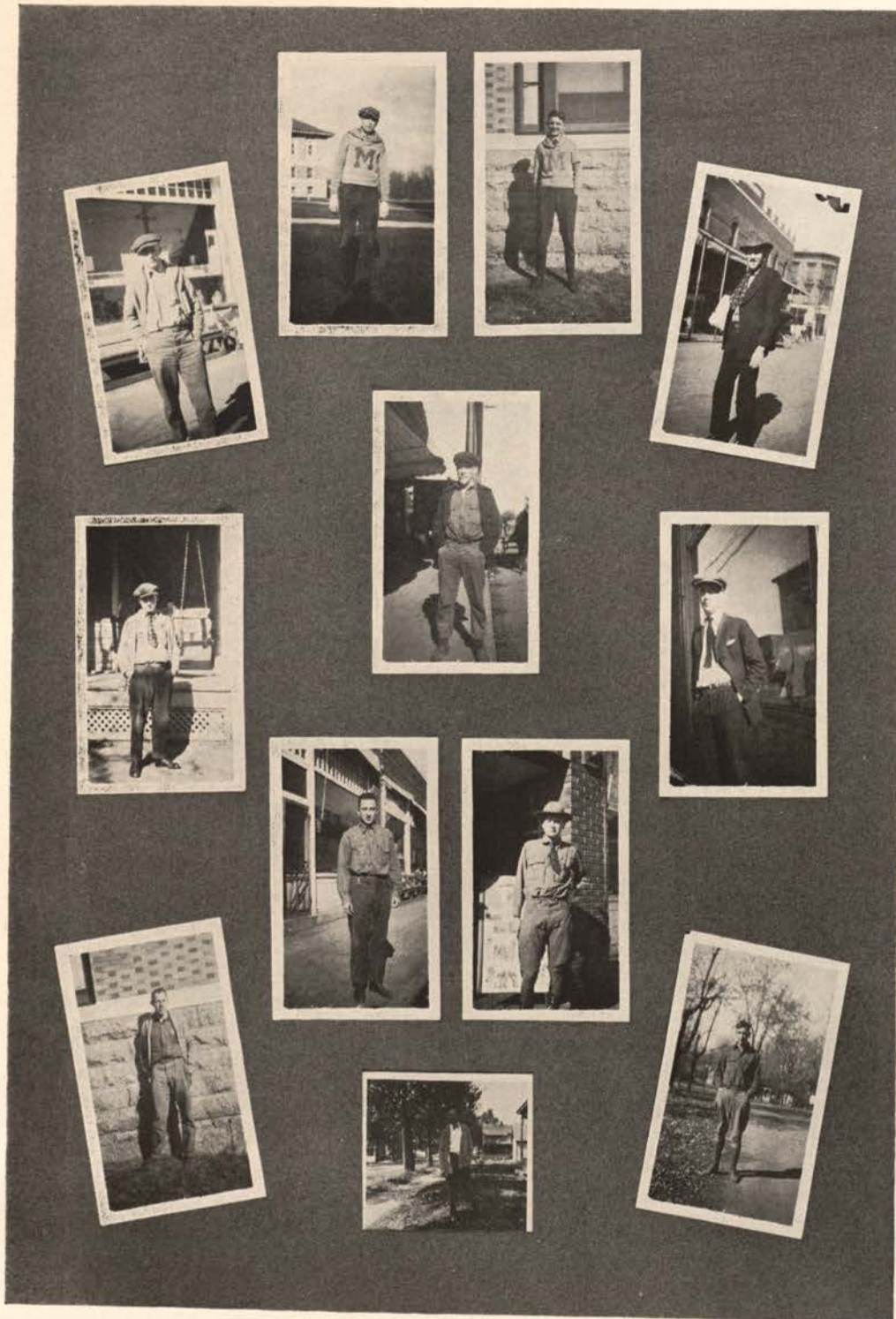
ROLLAMO

W. MIKELL	Augusta, Ga.
F. F. M. MONOHAN	Sapulpa, Okla.
D. L. MOODIE	St. Louis, Mo.
M. McCLELLAND	Centralia, Ill.
A. W. NAYLOR	Rolla, Mo.
W. A. POWELL	Lees Summit, Mo.
W. E. REMMERS	St. Louis, Mo.
D. F. ROESE	Syracuse, N. Y.
A. E. RUNGE	Kirkwood, Mo.
B. SAMPLES	Boonville, Ind.
C. F. SCHAEFER	Pittsburg, Pa.
LEO SCHAPIRO	Chicago, Ill.
H. O. SCHRAMM	Elmhurst, L. I., N. Y.
C. W. B. SITZLER	St. Louis, Mo.
C. SMITH	Richmond, Ind.
I. SUBLET	Texarkana, Tex.
W. E. TEN EYCK	St. James, Mo.
P. F. THOMPSON	Goodland, Kan.
M. F. TIRRE	St. Louis, Mo.
F. J. UNDERWOOD	Rolla, Mo.
A. W. WALKER	East Orange, N. J.
J. R. WALKER	Roodhouse, Ill.
J. F. WALLACE	Clearmont, Mo.
J. M. WASMUND	Vinita, Okla.
R. O. WILSON	Boonville, Ind.
W. S. WRIGHT	Sedalia, Mo.
D. ZIMMERMANN	St. Louis, Mo.





FRESHMAN CLASS



SENIOR SNAPS



VOCATES



Still back of him

Vocational Training Men

Vocational Training for disabled soldiers, sailors, and marines was established at the Missouri School of Mines in May, 1919. The number of students in this course has steadily increased until at present there are nearly a hundred enrolled in this department. The large majority of these are studying Topography under the able instruction of Major C. E. Cooke of the United States Geodetic Survey and C. E. Bardsley, formerly of the same organization.

The men have received the hearty co-operation of the Director and the Faculty of the school. They have shown commendable progress in their chosen fields of study.

This department has been set off from the regular college departments and has a special board of supervisors. In this way the department is able to take care of all the affairs that pertain to the welfare of the men.

The success of this branch of the school seems to be assured if present conditions are indicative of future results.



OFFICERS

C. W. CAMPBELL	<i>President</i>
H. P. JONES	<i>Vice-President</i>
S. B. O'HARA	<i>Secretary</i>
J. L. SANDERS	<i>Treasurer</i>



Class Roll

WM. J. ALTON	Columbia, Mo.
GEO. J. BALCH	Jamaica Plains, Mass.
M. R. BENT	Brocton, Mass.
F. G. BISCH	Bonne Terre, Mo.
R. F. BRANT	Chillicothe, Mo.
E. H. BURKE	St. Louis, Mo.
C. W. CAMPBELL	Sedalia, Mo.
L. A. CASSIL	Mountain Grove, Mo.
E. F. CHAPIN	St. Louis, Mo.
J. L. COAKLEY	Kansas City, Kan.
O. C. COPE	St. Louis, Mo.
D. L. CRIPPEN	Wichita, Kan.
FRED CUMMINS	Rolla, Mo.
G. B. DYER	St. Louis, Mo.
O. H. EVANS	Meta, Mo.
O. R. EVANS	Granger, Mo.
S. D. FARMER	Galena, Kan.
E. L. FIPPS	Salem, Mo.
P. F. HAWORTH	Elwood, Neb.
I. F. HAZELWOOD	St. Louis, Mo.
E. L. HEALEY	Creston, Iowa.
W. W. HOGAN	Moberly, Mo.
P. A. HOLLAR	Kansas City, Kan.
T. HOLLIDAY	Pollock, Mo.
MAX R. HOWARD	Springfield, Mo.
H. W. HOPPER	Franklin, Kan.
A. HOUSTON	St. Louis, Mo.
J. G. HUCKINS	Kirkwood, Mo.
A. B. JOHNSON	Springfield, Mo.
H. P. JONES	Perry, Iowa.
B. L. KIBLER	Emmetsburg, Iowa.
D. KIMBLE	St. Louis, Mo.
G. L. KNIGHT	Joplin, Mo.
E. C. KRUSE	St. Louis, Mo.
C. M. LANCASTER	Omaha, Neb.
A. E. LANG	East St. Louis, Ill.
H. P. LAWRENCE	Rolla, Mo.
L. E. W. LEPPER	Marlboro, Mass.
H. R. LINDENBERGER	Rantoul, Kan.
J. A. LOGAN	Rolla, Mo.
F. E. LOWD	Boston, Mass.
B. F. LYONS	St. Louis, Mo.
I. S. MARTIN	Hutchinson, Kan.
H. S. MILSTED	Rolla, Mo.
J. E. MITCHELL	Rolla, Mo.
J. F. MAHAN	Boston, Mass.
A. B. MORRIS	Willard, Mo.
E. M. MULLEN	Hutchinson, Kan.
A. W. MEYER	St. Louis, Mo.



ROLI AMO

P. R. McGUIRE	Castleton, Kan.
J. M. McDONNELL	St. Louis, Mo.
MARTIN McDONNELL	St. Louis, Mo.
H. I. NAPPER	Webb City, Mo.
CHAS. B. NEIL	Republic, Mo.
A. G. NEUWIRTH	St. Louis, Mo.
NOAH NEWTON	Wichita, Kan.
T. J. O'BRIEN	St. Louis, Mo.
S. B. O'HARA	Rosendale, Mo.
J. P. OSTER	Jefferson City, Mo.
J. R. PATTON	Columbus, Kan.
R. R. PETRI	St. Louis, Mo.
W. D. PHILLIPS	St. Louis, Mo.
O. P. PIRTLE	Des Moines, Iowa.
JOHN RIDDLE	Marion, Kan.
A. C. RUCKER	Keytesville, Mo.
R. ROZIER	Rolla, Mo.
J. L. SANDERS	Doniphan, Mo.
F. C. SCHNEEBERGER	Webster Groves, Mo.
E. J. SCHREMP	St. Louis, Mo.
J. T. SCHULTZ	Rolla, Mo.
W. SHUPE	Des Moines, Iowa.
WILLIAM SIEGLE	St. Louis, Mo.
CHRIS. SOUTHERN	Kansas City, Mo.
C. E. STOVER	St. Louis, Mo.
J. E. TAYLOR	Mason City, Iowa.
D. S. TEDFORD	Diamond, Mo.
A. V. TERNES	Garden Plains, Kan.
P. A. TOWER	Rolla, Mo.
C. A. TURNER	Washington, Iowa.
H. L. TURNER	Moberly, Mo.
H. VENABLE	St. Louis, Mo.
WILLIAM WALLING	Dayton, Wyo.
G. WILLIAMS	Wichita, Kan.
R. L. YEAGER	Joplin, Mo.
CHAS. YOUNG	St. Louis, Mo.
R. E. ZINK	Independence, Mo.
M. F. ZOGG	Granby, Mo.
S. I. ZOOK	Buffalo, Kan.





VOCATIONAL MEN



SENIOR SNAPS



ROLLAMO

Degrees

BACHELOR OF SCIENCE IN MINE ENGINEERING

KENNETH AID
DANIEL C. BEYER
MATTHEW P. BRAZILL
JUAN R. CASANOVAS
LAWRENCE O. CASSELMAN
LORAIN H. CUNNINGHAM
GERARD E. EBMAYER
ARTILEUS V. EULICH
OSHER GOLDSMITH
WESLEY G. HIPPARD

HARLAND H. HOPPOCK
CLIFFORD P. HOWARD
JOHN L. HOWENDOBLE
THOMAS W. LEACH
FRANK M. McMILLEN
ROBERT L. MARSTON
FREDERICK V. MOORE
EARLE N. MURPHY
WILLIAM L. NIECE
WILLIAM J. NOLTE

ARTHUR H. PETSCH
GERALD F. RACKETT
RUDOLPH C. SCHAPPLER
A. B., A. M.
OSCAR E. STONER
FREDERICK W. UTHOFF
WILLIAM W. WEIGEL
KENNETH M. WRIGHT
MAURICE C. LUCKY

BACHELOR OF SCIENCE IN METALLURGY

CARL B. HUMMEL
GEORGE A. KROENLEIN

ALLEN D. POTTS
RONALD O. SWAYZE
EDWIN A. SLOVER

MARK L. TERRY
RAFAEL E. VELASCO

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

EVAN E. ASHLOCK
CLARENCE E. BARDSLEY
CHARLES R. BARNARD
GEORGE BURNET

KARL W. HEIMBERGER
LOUIS M. MCCARTHY
JOSEPH NOVAK, JR.

EDWARD K. SCHUMAN,
LL. B.
RONALD B. WILLS
HAROLD W. ZIESENIS

BACHELOR OF SCIENCE IN GENERAL SCIENCE

PETER HAROLD PIETSCH

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

WILLIAM MISKEY TAGGART

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

DAVID A. BASH
EUGENE DREIDEL
WILLIAM J. FINLAY

CARL A. GETTLER
LEON HARRISON GOLDMAN
ARTHUR M. HOWALD

KARL K. KERSHNER
FREDERICK A. KRAUSE
EDGAR A. WILLIAMS

MASTER OF SCIENCE IN METALLURGY

THOMAS P. WALSH, B. S. '17 HANLEY WEISER, B. S. '18

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

KARL K. KERSHNER ARTHUR M. HOWALD

ENGINEER OF MINES

JOSEPH BARTON, B. S. '17 LEONIDAS J. BOUCHER,
PHILLIP B. DOLMAN, B. S. '17 B. S. '14

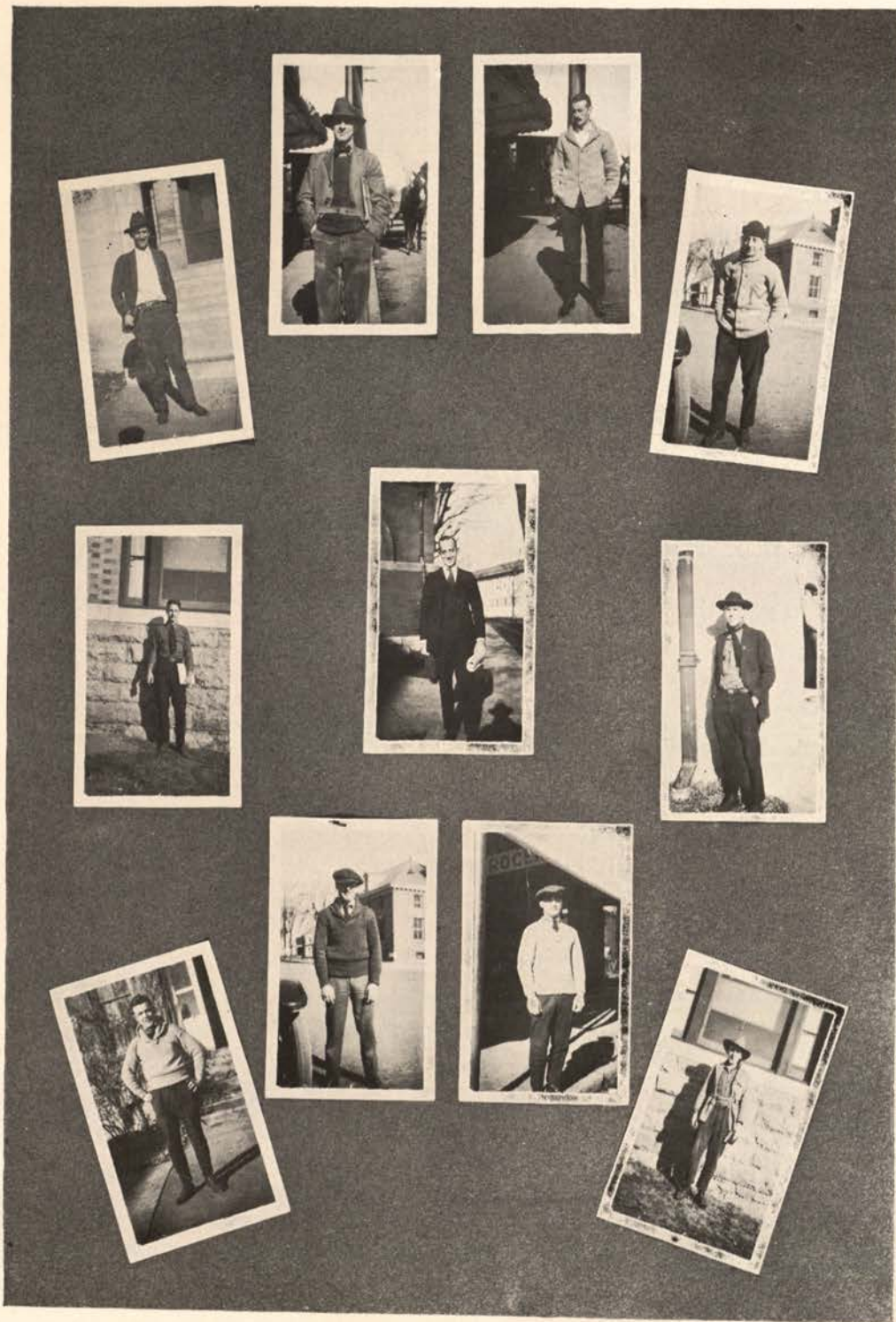
METALLURGICAL ENGINEER

JOHN O. AMBLER, B. S. '06 FRANK S. ELFRED, B. S. '17
RAY G. KNICKERBOCKER, B. S. '13 EARL J. MCNELLY, B. S. '16
MARTIN H. THORNBERRY, B. S. '12

CIVIL ENGINEER

ENOCH R. NEEDLES, B. S. '14

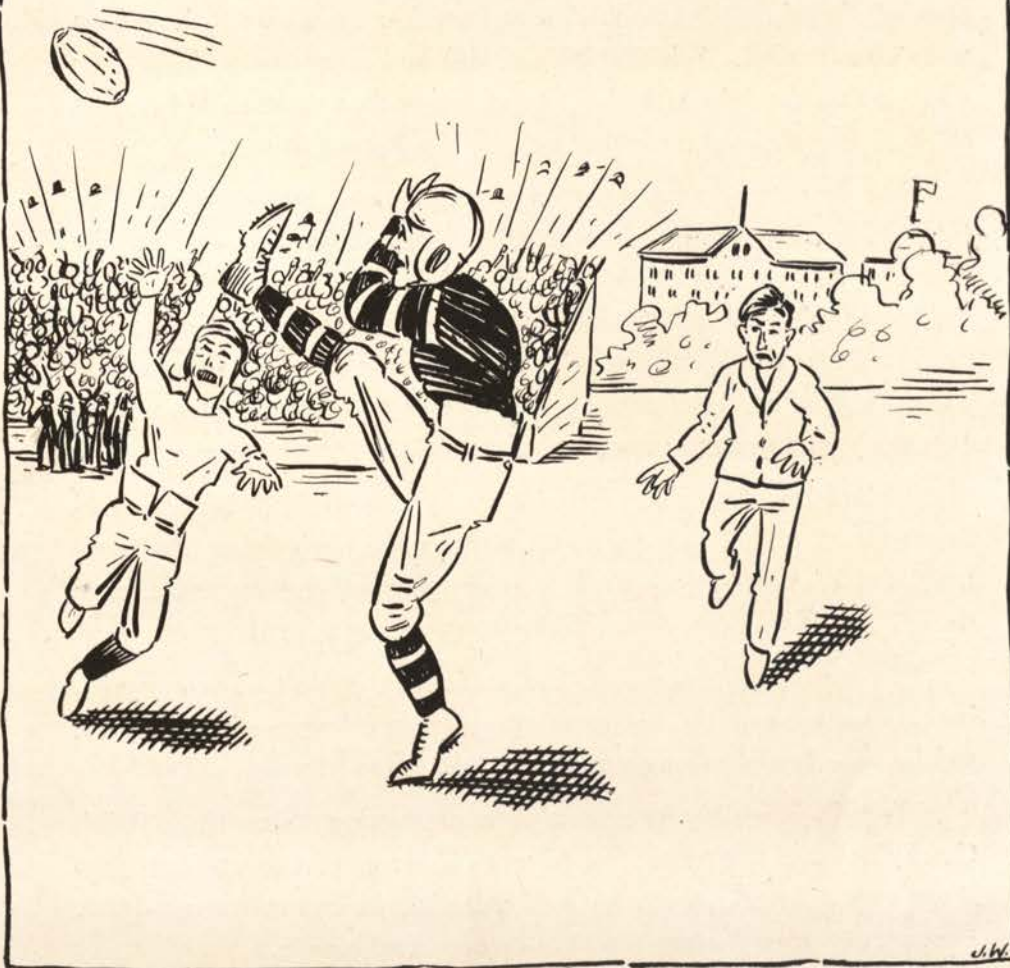




SENIOR SNAPS



FOOTBALL



Football Review

THE final results of this year's season of football show the Miners tied with Kirksville and William Jewell for first honors. This showing is conceded by all to be the best made by a Miner team in recent years. We deserved and would have had undisputed possession of first honors had it not been for a disheartening accident.

The season opened with plenty of old material and such a large amount of new that it was possible to have four teams until the season was well advanced. School spirit was high and every one of the players went out on the field with the determination that there should be but one outcome of the game—that was for the Miners to win.

The first two games that were played were easily won. The third, with Warrensburg, was won at a great sacrifice. It cost the life of one of our best men, "Eddie" Bohn. With this deplorable accident the Miner spirit fell, not to rise again during the season. We lost two comparatively easy games which would have been easily annexed by our men had there been nothing such as this depressing catastrophe to take the "pep" from the men.

Although we lost our game with Drury, they did not beat the real Miner eleven. Had they faced the team of the week before that walloped the Warrensburg team, it is doubtful whether they would have scored. As it was, they were lucky to get away with the game.

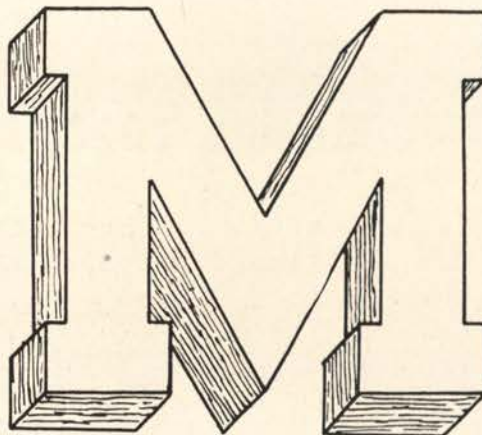
The season was a successful one, so far as the sport was concerned, because we were at the top of the percentage column—although tied, and because two of our men made the "All State Eleven."

We will lose only two men thru graduation this spring. With Coach McCune back next fall to whip the rest of the veterans into shape as well as to sift out the new material, we can rest assured that the undisputed conference title will be ours next season.



Basketball

M. I. SIGNER
J. L. BULGER
J. H. ROHLOFF
CLAUDE KEMPER
MYRON McCLELLAND
E. G. HAYWOOD



Track

E. J. BOHN
F. P. WHITE
M. P. BRAZILL
W. M. TAGGART
HENRI CHOMEAU
H. D. SCRUBY
A. RUNGE

Football

A. L. CAIRNS (Capt.)
J. M. WILSON
R. KENNING
W. W. BOLT
H. E. McBRIDE

E. J. WENDELL (Capt.-El.)
A. BUCK
S. I. ZOOK
A. B. PARKHURST
G. J. CHRISTNER

E. J. BOHN
I. K. OWENS
H. E. ZOLLER
R. C. McCLURKEN
O. L. BRANDENBURGER

Captain
A. L. CAIRNS

Captain-Elect
E. J. WENDELL

M. I. SIGNER

Basketball

J. L. BULGER

E. J. BOHN

Track

F. P. WHITE

Athletic Director
F. E. DENNIE

Football Coach
ROGER J. McCUNE

Athletic Board
M. I. SIGNER *President*
J. E. JEWELL *Business Manager*



Results, 1920

Oct. 2.	Miners.....	0	Washington University.....	21
Oct. 9.	Miners.....	28	Cape Girardeau.....	0
Oct. 16.	Miners.....	33	S. W. Teachers College.....	15
Oct. 23.	Miners.....	0	St. Louis University.....	27
Oct. 30.	Miners.....	0	Arkansas University.....	14
Nov. 6.	Miners.....	17	Warrensburg.....	0
Nov. 13.	Miners.....	7	Drury College.....	13
Nov. 25.	Miners.....	0	Henry Kendall College.....	45

Schedule, 1921

- Oct. 1. Miners vs. Washington University at St. Louis.
- Oct. 7. Miners vs. Cape Girardeau at Cape Girardeau.
- Oct. 14. Open date.
- Oct. 21. Miners vs. Missouri Wesleyan at Rolla.
- Oct. 28. Open date.
- Nov. 4. Miners vs. Springfield Normal at Rolla.
- Nov. 11. Miners vs. Drury at Springfield.
- Nov. 18. Miners vs. Central at Rolla.
- Nov. 24. Open date.





Top Row—WHITE, CHRISTNER, SANDERS, WENDELL, BUCK, DENISON, Coach McCUNE, McClurken, COFFEE, SHEPHERD, PARKHURST, FISCHER, MACHIN.

Bottom Row—GRAY, ZOLLER, GETTLER, WILSON, WATKINS, CAIRNS (Captain), BRANDENBURGER, McBride, OWENS, KENNING, ZOOK

ROLLAMO



Captain CAIRNS '20.

Quarterback

This was "Buddy's" fourth letter year. His excellent playing won him a place on one of the All-Conference teams. He never missed a game and could always be counted on for a gain.



Captain-Elect WENDELL '23

Tackle

This is "Dip's" first letter year altho it is his second season on the team. Last year injuries kept him from making his letter. A game player.



EDWIN J. BOHN '21

Halfback

A good sportsman, a gentleman; loved, respected and missed by all.





BRANDENBURGER '22

End

Brandy is a fast end and full of pep. This is his second year of playing on the team. Smashing interference is his passion and getting passes his hobby.



ZOOK '23

Guard

Zook can play either guard or tackle and play them well. This is his first year on the team. We are fortunate in having him for two more seasons.



MCBRIDE '23

Halfback

"Buddy" picks a hole in the line and goes thru like a veteran. He will probably succeed Cairns at quarter next year because of his cool-headedness and his ability to lead.

25470





WILSON '21

End

This is "Mort's" third letter. He is a scrappy player and can break interference as well as any man in spite of his light weight.



CHRISTNER '22

Guard

"Gobby" made his first letter this year. Hard luck prevented him from doing it last year. Chosen for one of the All-Conference teams for his ability to play the line, breaking interference and tackling. We hope to see him back next year with the same old fight.



OWENS '23

Halfback

Hank has made many a gain and has scored several touchdowns. He has the old fight in him that puts the ball close to the goal every time that it gets into his hands.





KENNING '24

Fullback

Kenning will be with us three more years, during which we expect that he will score many a touchdown and smash up the interference of our opponents.



BUCK '24

End

Buck is virtually the find of the season. He gets under the ball at the kick-off in a surprisingly short time. He is also a man with three more seasons to go.



McCLURKEN '22

Fullback

Mack is good at breaking up interference and is a hard hitting player. He has scored on many an occasion when scores were most needed.



ROLLAMO



BOLT '22

Tackle

This is Bolt's second season and second letter. He is in line for two more seasons. A hard worker and can be counted on for a gain.



ZOLLER '23

Center

Hank can twirl the pigskin with the precision that comes from hard work and experience. Besides this he has the ability to keep the opponent from coming thru the line.



PARKHURST '23

Guard

"Babe" put all that he had in the game and played a good game of clean football. While on the trips he took great delight in the girls at the cigar counters.



ROLLAMO



FISH FISHER



TIM COFFEY



FRED WHITE



ED JANDERS

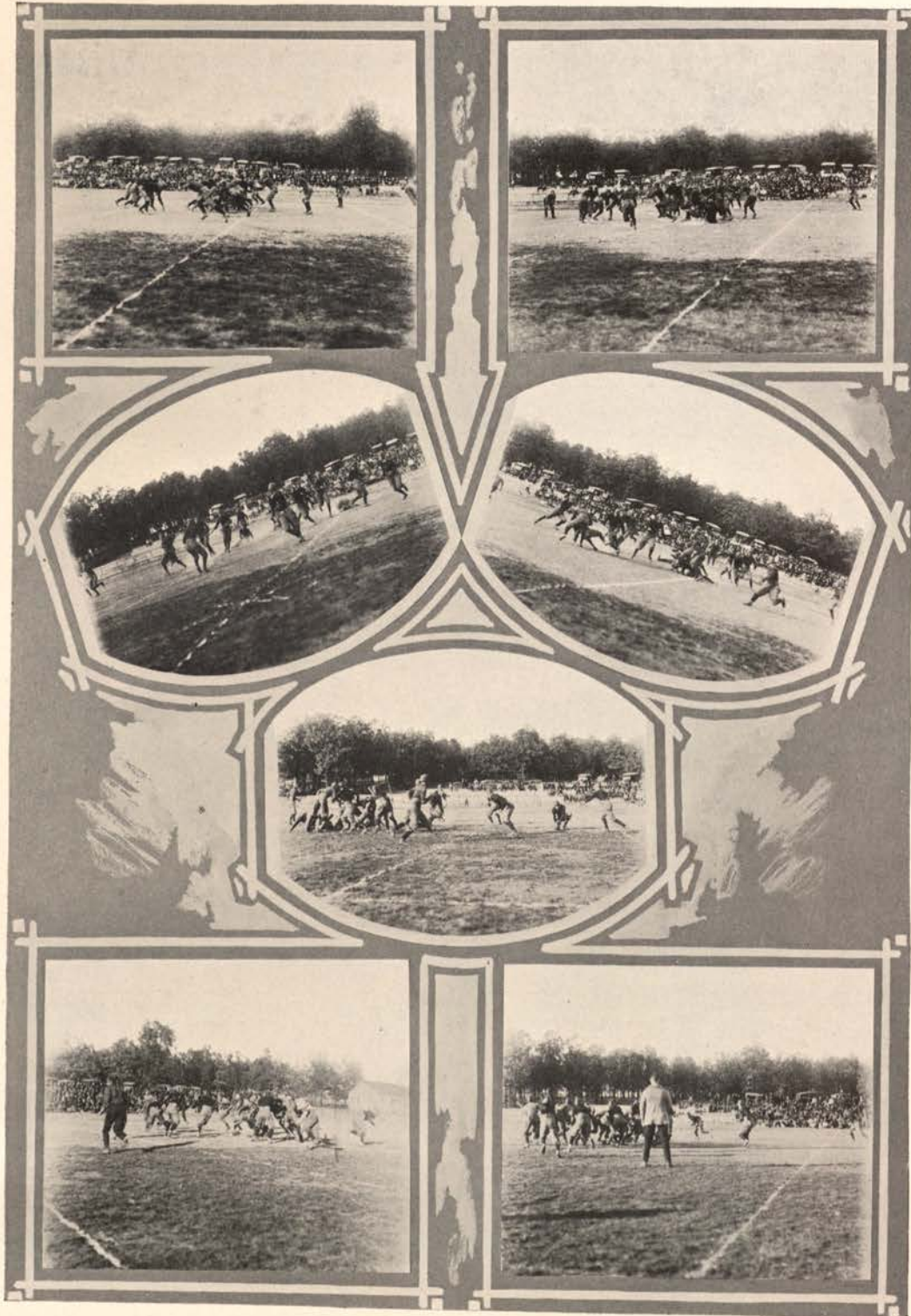


WATTY WHITMAN



TIM WATTS





OUR GAMES



BASKET BALL



Basketball Review

Team	Won.	Lost.	Percentage.
Warrensburg.....	10	0	1000
Westminster.....	5	1	.833
Miners.....	10	3	.770
Cape Girardeau.....	5	2	.714
Springfield Teachers.....	8	4	.666
Maryville.....	4	4	.500
Central College.....	3	4	.429
William Jewell.....	5	7	.417
Drury.....	4	8	.333
Tarkio.....	4	8	.333
Mo. Wesleyan.....	3	7	.300
Culver Stockton.....	1	5	.166
Central Wesleyan.....	1	10	.091

From the above figures one can see that the Miners had a real team. Two of the games that we lost should have been ours. But luck was breaking against us and we lost them. Yet we are satisfied with the results as they are. We feel that our men put everything into the game that they were capable of and that they had the true Miner spirit of fight. An unfortunate circumstance dealt us a blow when Jimmy Harris, one of the better forwards in the Conference, was forced out.

Besides the letter men of the team we had several other men who were quite capable basketball players. There was Jimmy Harris, our star forward, who left school in the middle of the season; Buddy McBride, who distinguished himself in the last two Westminster games; Kaley, forward, who played a good game in several games at the last of the season; Kasel, who broke into quite a few games. Moodie and Campbell are two men that will be heard from next year. With the five letter men back next year and the substitutes of this year we should have the best team in the Conference.



ROLLAMO



CAPTAIN SIGNER

"Sig" plays guard and forward equally as well and is frequently called upon to change from one position to another.

He is an able leader and his presence peps up the team. His playing won him a place on All-Conference Team.



ROHLOFF

This is "Do-Do's" second year on the team. An excellent man on the defense. His scrappiness kept him playing throughout the season despite painful injury to his back.



BULGER

"Johnny" was a good running mate to Rohloff. The two make a splendid team of guards.

"Johnny's" great ambition is to put Gouverneur, N. Y., on the map, and is succeeding in it very well.



KEMPER

"Kemp" was the big boy who out-jumped them all, including the great DeBernardi.

This was Kemper's first year on the team but he displayed all the old Miner fight and pep. With three more years of basketball ahead of him, he should develop into one of the best centers that has ever played for M. S. M.



HAYWOOD

"Bridge" played a steady game at all times and put every ounce of pep that he had into every game. He, too, has three more years ahead of him, and we do not hesitate to predict great things for him.



MCCLELLAND

"Mac" is one of our Freshman trio of players. Got away with a bad start, but developed into one of our best men under coaching of Dennie. He will be with us three more seasons and we expect much of him.



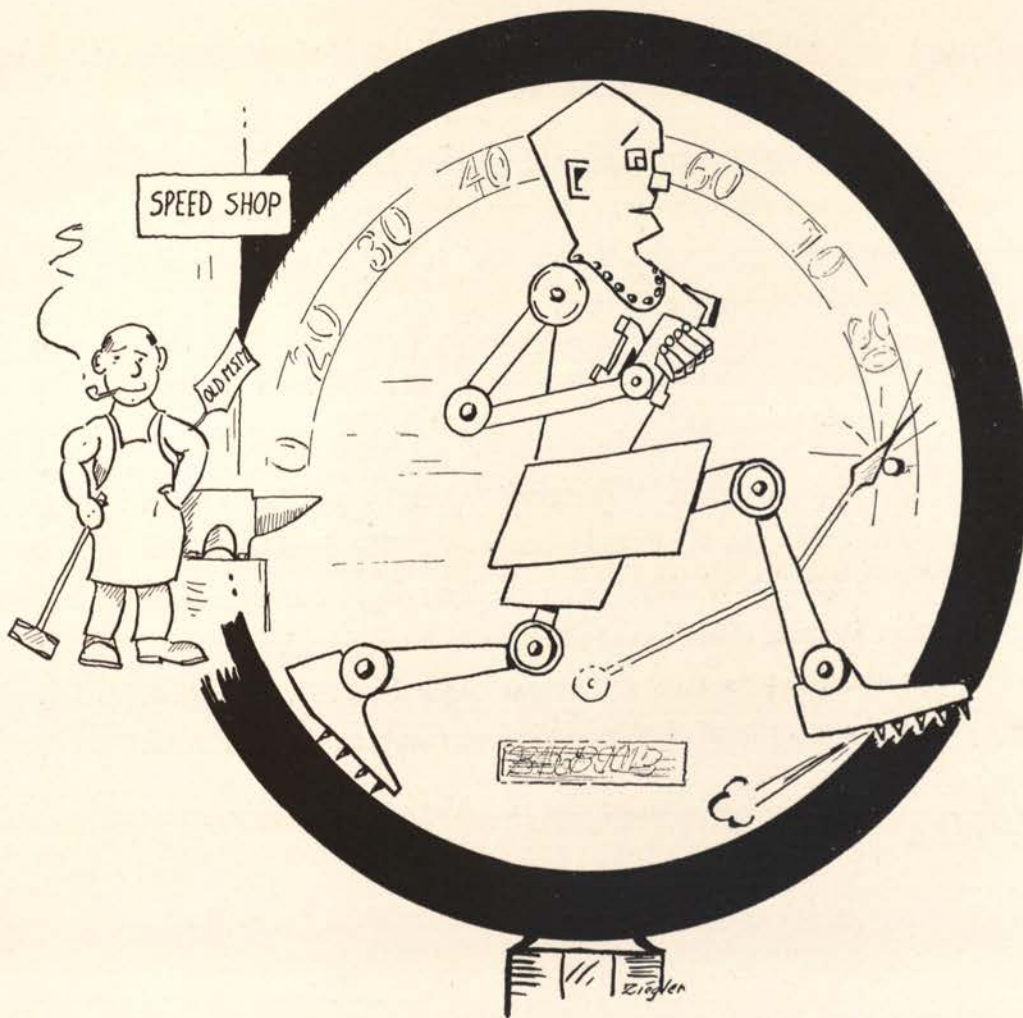


Top Row—MURPHY, MOODIE, KASEL, CAMPBELL, McBRIDE, CASE, KALEY

Bottom Row—KEMPER, McCLELLAND, ROHLOFF, SIGNER, BULGER, HAYWOOD, ZOOK, HARRIS

ROLI AMO

TRACK



Track 1920

Of the two track meets scheduled this year the Miners won the first and lost the second.

The Triangular Meet held between Drury, Normal and the Miners was won by the Miners with a score of 69. Drury collected 39 points and Normal 36. It was a comparatively easy victory for the Miners.

Taggart, Brazill, White, Scruby and Runge won their letters in this meet.

The meet with Washington University was held in St. Louis. We lost the meet by one event. The final score was 69 to 58 with Washington on the long end. Our men were first in most of the events, but we had too few men entered in the meet to take any seconds and thirds. Washington, on the other hand, had an unlimited number to do this work.

Chomeau, Brazill, Scruby and Taggart won their letters in this meet.



Triangular Meet

FIRST PLACES.

TAGGART	100 yd.
WHITE	440 yd.
WHITE	880 yd.
BOHN }	} 1/2 Mile Relay.
BRAZILL }	
WHITE }	
TAGGART }	
WHITE	120 yd. High Hurdles.
BRAZILL	220 yd. Low Hurdles.
RUNGE	Shot Put.
RUNGE	Discus (Record 119' 10").
SCRUBY	Pole Vault.

Washington Meet

FIRST PLACES.

WHITE	440 yd.
WHITE	880 yd.
CHOMEAU	Mile.
WHITE	120 yd. High Hurdles.
BRAZILL	220 yd. Low Hurdles.
SCRUBY	Pole Vault.
SCRUBY	High Jump.



"Eddie" ran just like he did everything else, and that is saying that he was a good track man. He was elected Captain of the team this year.



"EDDIE" BOHN

"Mick" is a man we could count on for a first in the low hurdles. An old track man and one who uses his head as well as his feet and lungs.



"MICKY" BRAZILL

"Hennie" spent his time last year to good advantage. He can start at eight a. m. and run until six p. m. without getting out of wind.



"HENNIE" CHOMEAU

Runge filled a place on the team which had long been weak. He picked up the discus and heaved it 119 ft. 10 inches in the Triangular meet at Drury.



C. A. RUNGE

"Bill" claims to be a sprinter because he parts his hair in the center, which forms a stream-line body. We figured Bill was good for another year, but he fooled us and the Profs.



"BILL" TAGGART

Fred is the man who moves twelve feet every time he sets one of his feet in front of the other. He has shown some speed in the three years of his track.



FRED WHITE



DONAI



BLOOM

Tennis, 1920

In the tennis tournament played on the Drury courts last year the singles event was won by Griggs of Drury and the doubles event by Donai and Bloom of the School of Mines.

In the singles Bullock of the Teachers' College drew a bye; Griggs of Drury played Donai of the Miners. He won the first three sets. Griggs then played Bullock for three sets and won them handily. This gave the event to Drury, whom Griggs represented.

In the doubles we drew the bye. Muratta and Pipkin of Drury won the preliminaries from Bacon and Phillips of Teachers' College 6-1 and 6-2. Drury won the first set in the finals from us, but we took the next three. The scores were 6-2, 6-3, 6-1.



The opening of school in September, 1920, found a new Director, Dr. Fulton, in charge of affairs at M. S. M. As it had been decided before school opened that we were to have a new football coach, it remained for Dr. Fulton to select a man for the position. Naturally, he thought of a man from his old school, and that man was Roger J. McCune. Coach McCune came to Rolla with an enviable record, both in football and baseball. On the Case team he played quarterback for several years, as well as serving as captain during part of his career. As a baseball best catchers that was ever

One could not help like-time he spoke at a mass what he expected of his men for them and the school. he was with us.

Football practice start-opened. Everyone seemed spirit and under the Coach's made a good record. All men doing their best, and out of four conference games er but for unavoidable ill-season's work. Under try-the death of Bohn, he worked to keep up the morale of the team.

Before Coach McCune left Rolla he was appointed Assistant Athletic Director. This was welcome news to every loyal Miner, for we had learned to love and respect him as a real man. Since leaving Rolla he has undergone a severe attack of pneumonia. Owing to this he was unable to return to take up his duties this semester. He has, however, returned for the last month's work and will be on hand to pilot our next year's football team.

Here's to you, Coach!



ing McCune from the first meeting, when he told us and what he expected to do The liking grew every day

ed about a week after school to have caught the right careful guidance the team thru the season he had the the fact that we won three and might have won another luck, speaks well for his first ing conditions incident to







Pan Hellenic Association of the Missouri School of Mines

THE PAN-HELLENIC ASSOCIATION of the Missouri School of Mines of Rolla, Missouri, was organized for the purpose of establishing a better spirit of co-operation between the fraternity and non-fraternity men; to strengthen the bonds of unity and intimacy among the Greek letter men, both active and alumni; and to consider, discuss and regulate those phases of fraternal college life which are essential to all fraternities.

OFFICERS

A. L. CAIRNS	<i>President</i>
W. H. BAXTER	<i>Vice-President</i>
J. M. TAYLOR	<i>Secretary</i>
N. M. ROUNTREE	<i>Treasurer</i>

DELEGATES

Sigma Nu

A. L. CAIRNS
W. R. GETTLER

Kappa Alpha

N. M. ROUNTREE
J. E. JONES

Kappa Sigma

J. M. TAYLOR
F. P. WHITE

Pi Kappa Alpha

W. H. BAXTER
J. P. COLBERT

Lambda Chi Alpha

A. B. NEEDHAM
D. F. UPDIKE





PAN HELLENIC
COUNCIL



Kappa Alpha

Beta Alpha Chapter
(Installed April 27, 1903)

FRATER IN URBE

CHARLES L. WOODS

FRATER IN FACULTATE

CHARLES YANCEY CLAYTON

SENIORS

GEORGE B. BLOOM

EDWIN J. BOHN

WAYMAN CROW

JUNIORS

J. EWART JONES

THOMAS G. WEIR

JOHN H. DOUGHERTY

STUART E. STORRS

OSCAR L. BRANDENBURGER

NEWTON M. ROUNTREE

SOPHOMORES

HAMILTON MOORE

FRED P. MATLACK

HERBERT G. SCHWARZ

GEORGE T. DIERKING

JOHN F. HELMERICH

DOD G. GIBSON, JR.

EVERETT J. WENDELL

FRESHMEN

CURTIS E. STOVER

DAVID F. ROESE

DWIGHT L. MOODIE

WALTER E. REMMERS

HERBERT E. BARNARD





Kappa Sigma

Beta Chi Chapter
(Installed December 19, 1903)

FRATER IN FACULTATE

EDWARD WOOLRICH

FRATRES IN UNIVERSITATE

SENIORS

HUSTON TAYLOR
CHARLES R. MIZE
WILLIAM W. KEELER
LEON B. SCHUMACHER

WILLIAM HOKE
VERNON I. KEETER
FRED P. WHITE
RICHARD L. JOHNSON

JUNIORS

HAROLD K. EWING
FRANK R. HENDERSON

F. P. KOHLBRY
EDGAR A. KEELER

CAMPBELL C. CAMERON

SOPHOMORES

NEAL M. HAM
ELMO G. HOOPER

I. K. OWENS
PAUL E. FISCHER

J. LAWRENCE GREGG

FRESHMEN

JACK CAMPBELL
CLARENCE F. ELLIS

ARCH W. NAYLOR
WARREN E. TENEYCK

GEORGE E. GABLER



ROLLAMO

'20 '21

B X
OF
K Σ



Lambda Chi Alpha

Alpha Delta Chapter
(Installed April 30, 1917)

SENIORS

A. C. LAUN
A. B. NEEDHAM

H. W. HURD
J. H. ROHLOFF

JUNIORS

J. L. BULGER
P. D. WINDSOR
K. DE COUSSER
R. H. KNIGHT

S. K. REID
K. R. TEIS
F. E. GRAY
D. F. UPDIKE

F. K. M. HUNTER

SOPHOMORES

R. A. LINDGREN
ST. C. HOMER
J. G. HUCKINS
J. K. MURPHY

W. P. GATTS
J. V. HARRIS
V. JOSLIN
C. M. RUOFF

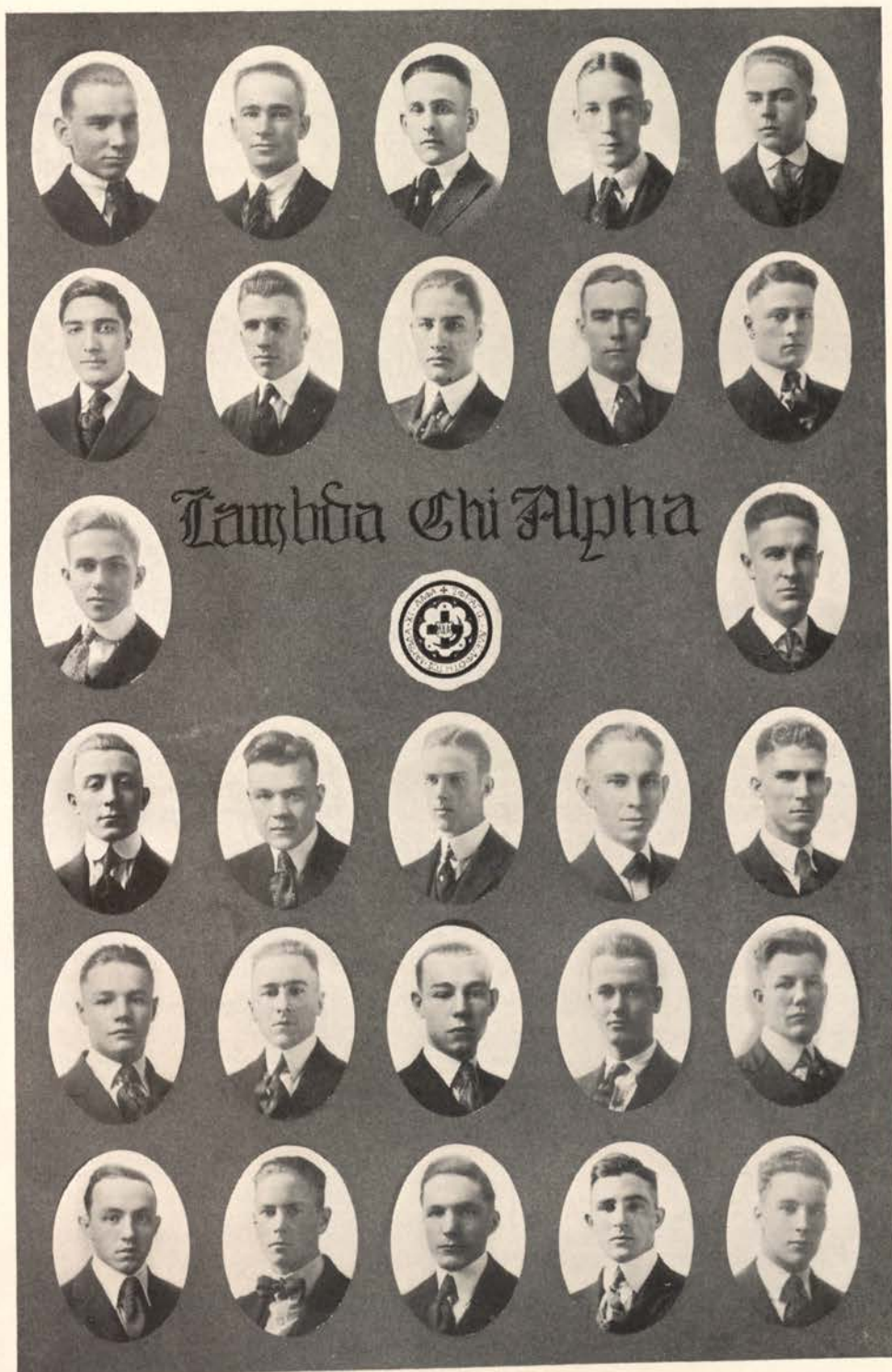
H. W. HODGES

FRESHMEN

J. O. HUNT
J. M. WASMUND

A. E. BUCK
A. HEDBERG





Pi Kappa Alpha

Alpha Kappa Chapter
(Installed December 2, 1905)

FRATER IN FACULTATE

WILLIAM WALBRIDGE WEIGEL

SENIORS

CHARLES L. SMITH
CARROL P. BURFORD
BERNARDI E. HAMMER
EDWIN L. MILLER, JR.
HARRY H. HUGHES, JR.
BENJAMIN S. CORNWELL
JULES PHILIP COLBERT
WILLIAM L. STEWART, JR.

KARL W. BOOKER
RUSSEL W. HUNT
PERCY G. FORMAN
HAROLD L. BAILEY
JOHN RAY FIEDLER
HOWARD O. NORVILLE
VIRGIL L. WHITWORTH
ANVIL CLARK WILLIAMS

JUNIORS

PAUL H. KARGES
JOHN F. HOSTERMAN
HOMER LA KIRBY LEONARD

BRUNO RIXLEBEN
MERTON IRA SIGNER
WILLIAM H. BAXTER

GLEN SHERMAN WYMAN

SOPHOMORES

HOWARD FLECK
WILLIAM KEELING
MELVIN P. WEIGEL
WILLIAM C. ZIEGLER

IRVIN W. KEYES
HARRY S. PENCE
BEN M. LAYTON
E. H. CATHCART

WILLIAM SAYLE ROBERTSON

FRESHMEN

ARLO LOWELL HUNT
CLYDE SPERRY METCALF
WILFORD STILLMAN WRIGHT

HOWARD O. SCHRAMM
JOHN RAWLINGS WALKER
CHRISTIAN F. SCHAEFER



ROLLAMO



Sigma Nu

Gamma Xi Chapter

(Established January 23, 1903)

FRATER IN URBE

JOHN M. SOUTHGATE

FRATRES IN FACULTATE

JOSEPH W. BARLEY

HENRY H. ARMSBY

SENIORS

ARTHUR L. CAIRNS
HAROLD F. PATTERSON
HOMER A. HOLLINGSHEAD

JOSEPH M. WILSON
JAMES M. WILSON
CHARLES J. MILLAR

JUNIORS

WARREN R. GETTLER

HOWARD S. CRAWFORD

SOPHOMORES

KARL A. SCHMIDT
ALFRED S. CHAPPUIS
BILLIE RAYMOND MENNIE
CHARLES G. KISKADDON
CHARLES J. COLLET

MARION W. WATKINS
RAYMOND F. ORR
JOHN P. GORDON
HENRY E. ZOLLER
FRANK COFFMAN

JEAN PAUL BRYAN

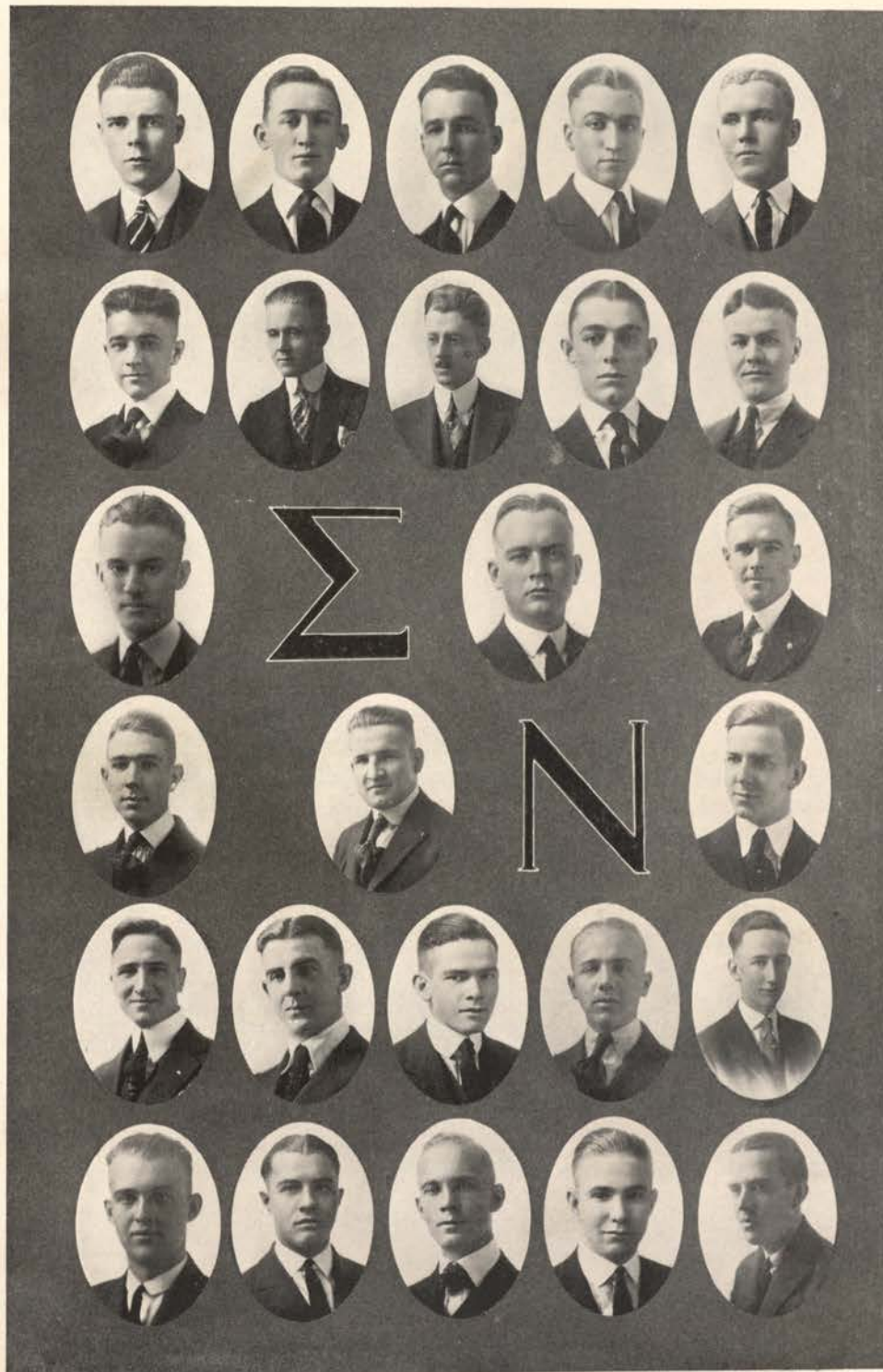
FRESHMEN

ROBERT M. COURTNEY
RUSSEL H. KENNING

JAMES CHRISTOPHER
FRANK M. TIRRE

WARING MIKELL





“Why”

I received a manuscript by mail one day and upon reading it was surprised at its good qualities. It was rather a unique piece of literature. At first I did not see how I could possibly print it, but after some thought the thing began to be funny to me and consequently I desired to let everyone in on the joke. As I am not a D. D. M. I could not write the thing out at various places on the sidewalks, therefore I am taking the only method I have of letting all have a laugh over this. Consequently I present this paper to you, in continued form throughout the book.

—The Editor.

“Why”

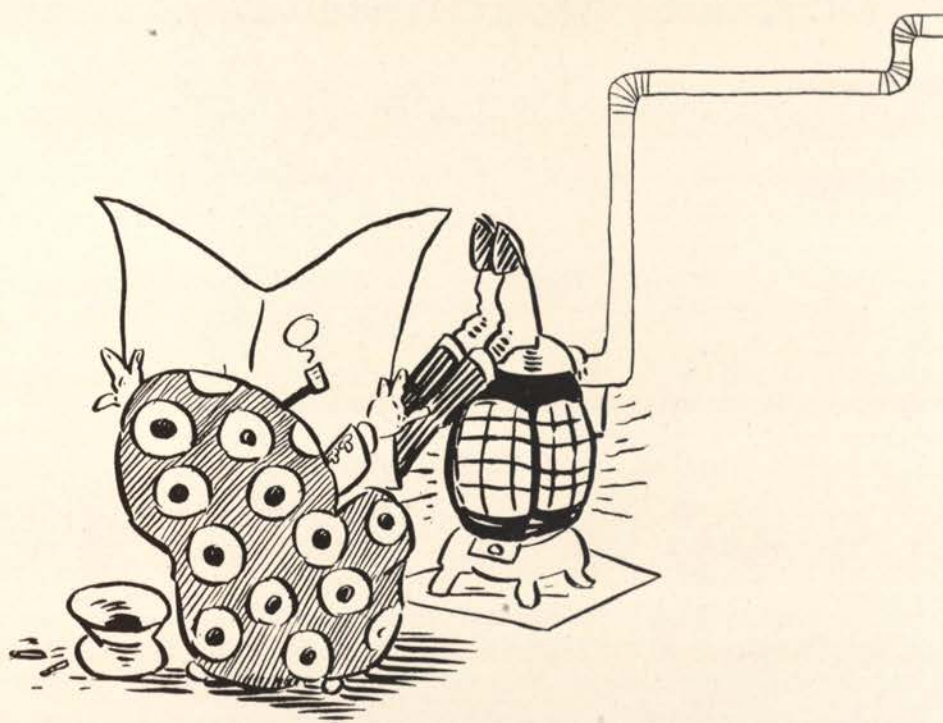
(A story in five episodes.)

During the first week of school last fall a certain Freshman was “rushed” by all of the fraternities which have chapters at the School of Mines. Each crowd was so sure that it had the best bunch of men in school it made this Frosh suspicious and the “rushing season” ended without his honoring any of the chapters with his pledge. It happened that one day not long ago we were speaking with this man about various things and during the course of the conversation he mentioned the fact that he knew several “brotherhoods” very well but had never affiliated with any of them because—but then the following is a record of the statements made by the various chapters to this man the first day he was in school and from these statements you can see “WHY.”

(Continued on page 138.)



CLUBS-



Joe Wilson

Bonanza Club

GRADUATE

JOHN H. BOWLES

SENIORS

E. M. GUY
J. C. SALMON
L. E. LUMPKIN

J. G. MILLER
W. R. DENISON
M. A. BADOLLET

H. F. VALENTINE

JUNIORS

L. HAGOOD
H. E. DIERS
R. D. SMITH
I. W. ALCORN
H. C. LOESCHE
R. E. RICHARDS

G. P. DIERS
S. M. HAYES
E. F. CHAPIN
A. F. DENISON
E. W. REMBERT
R. C. MCCLURKEN

G. J. CHRISTNER

SOPHOMORES

D. S. MOSBY
P. M. BROWN
S. H. STUART

F. Z. MEEKS
M. N. BEDELL
T. C. SCHOTT

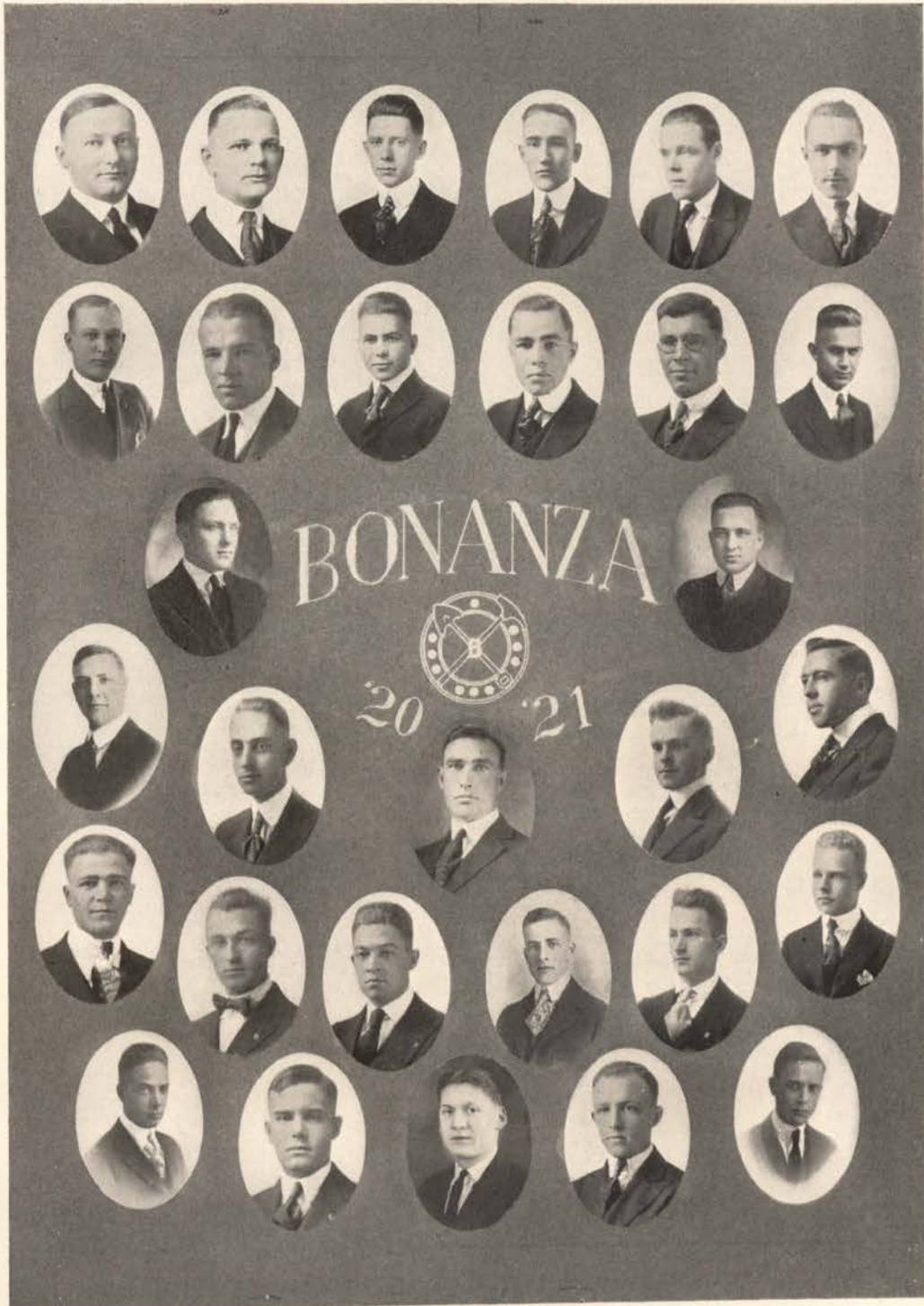
T. M. THOMPSON

FRESHMEN

P. L. BLAKE
P. L. THOMPSON

C. L. KEMPER
E. B. SANDERS





Grubstaker's Club

SENIORS

R. J. STROUP
W. F. NETZEBAND
F. A. KAULLEN

M. W. WALLACE
R. K. STROUP
L. COLLINS

JUNIORS

J. E. JEWELL
E. S. WHEELER
I. F. HODGES
R. O. ERICKSON

J. T. HODGES
A. L. ACKERS
T. S. WOLVERTON
H. M. WHITNEY

SOPHOMORES

M. V. HEALEY
S. I. ZOOK
W. K. TELLER
E. PESOUT
H. C. BUSER

A. B. WILKERSON
W. E. TETER
W. H. WEIMER
R. J. LAPEE
R. A. HOFFMAN

FRESHMEN

A. W. WALKER
I. SUBLET

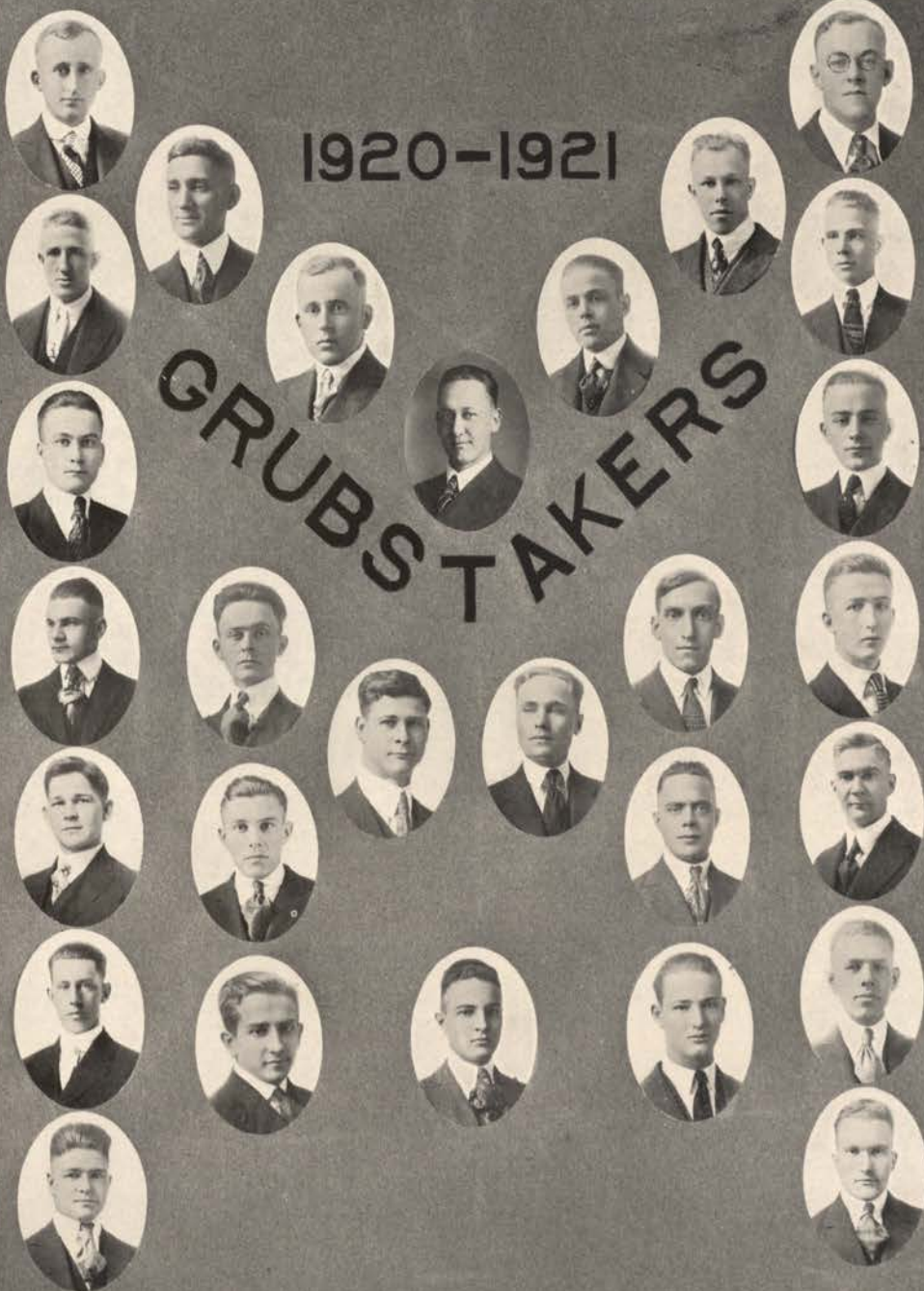
H. H. HEIDTMAN
C. W. B. SITZLER

H. H. CARLTON



1920-1921

GRUBSTAKERS



Prospectors

SENIORS

L. E. DAVIDSON
H. W. HURST

FRED A. DECKMEYER
BARNEY NUDELMAN

W. R. QUILLIAM

JUNIORS

MUIR L. FREY
R. G. KASEL
VICTOR E. KIMMEL

HAROLD L. CHILDRESS
W. H. METZGER
W. H. DUNLOP

SOPHOMORES

JOHN M. REEVES
DAVID F. WALSH
J. J. HABERTHIER
R. E. MURPHY

STEPHEN M. BURKE
VANCE H. WEBSTER
GEORGE A. ZELLER
JAMES A. WESTGARD

FRESHMEN

C. G. BOWERS
CARLETON SMITH

CYRUS W. MAGALIS
S. C. ALGERMISSEN

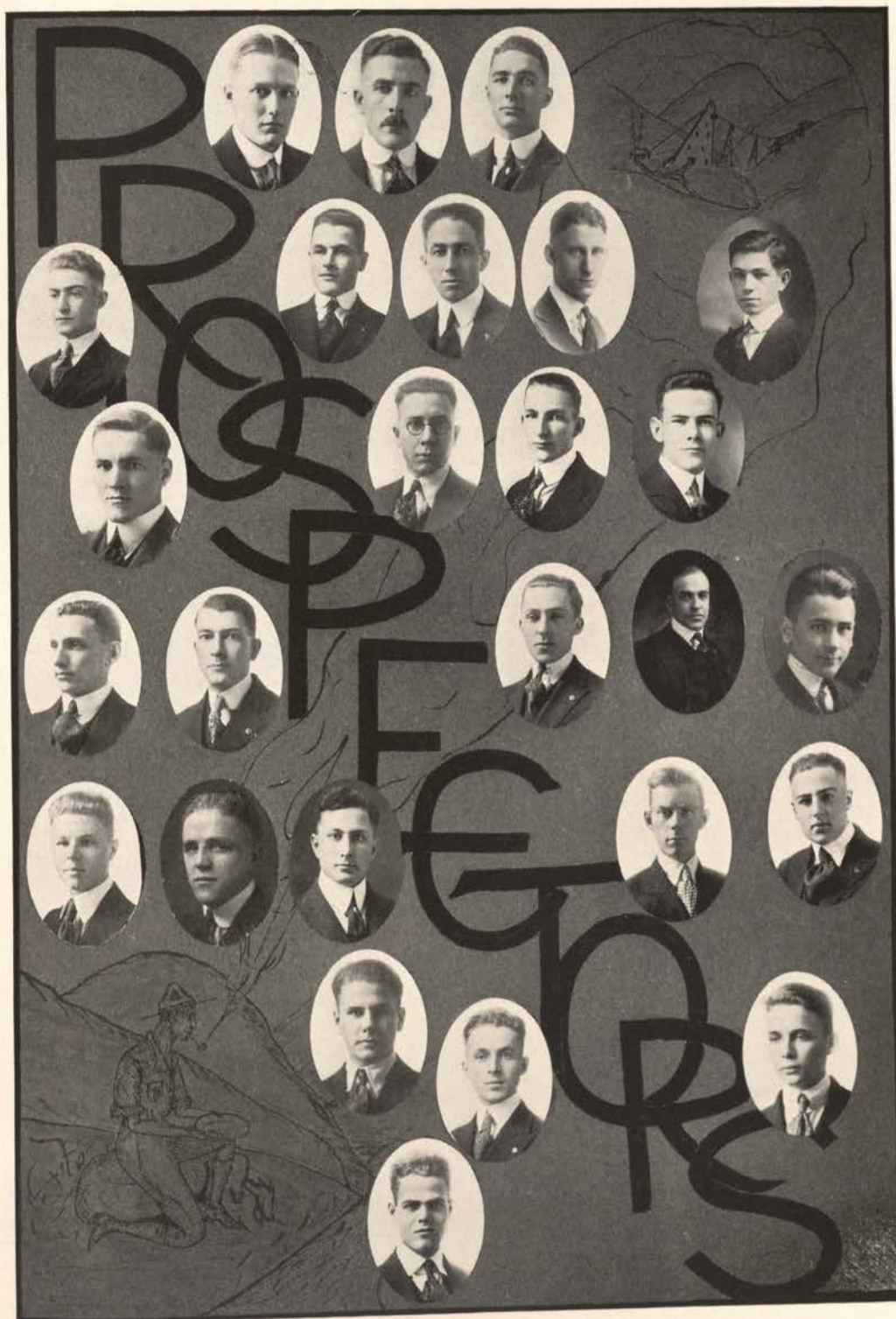
SPECIALS

EDWIN H. SANGUINET

A. J. ANDERSON
GUY R. SCOTT



ROLLAMO



Independents

CLASS OF '21

H. C. KERR
A. D. HAHN
MEYER GOLLUB

H. Y. MA
H. P. SHIH
K. Y. CHANG

A. F. DELALOYE

CLASS OF '22

W. E. CASE
R. J. KENYON
NATHAN PACKMAN

E. G. MACHIN
A. C. RUCKER
F. R. HALASEY

CLASS OF '23

H. WELLS
C. L. GRIP
F. H. HOLLOW
P. J. HEGWER
J. L. ANDREWS
J. M. WANNAMACHER

L. LINZER
R. TRAGITT
R. ZEVALLOS
A. B. JEWELL
EDW. TORRENCE
J. F. WALLACE

CLASS OF '24

J. CASTELLI
B. K. BAUMGARDNER

W. E. CASEY
W. S. GRAHAM

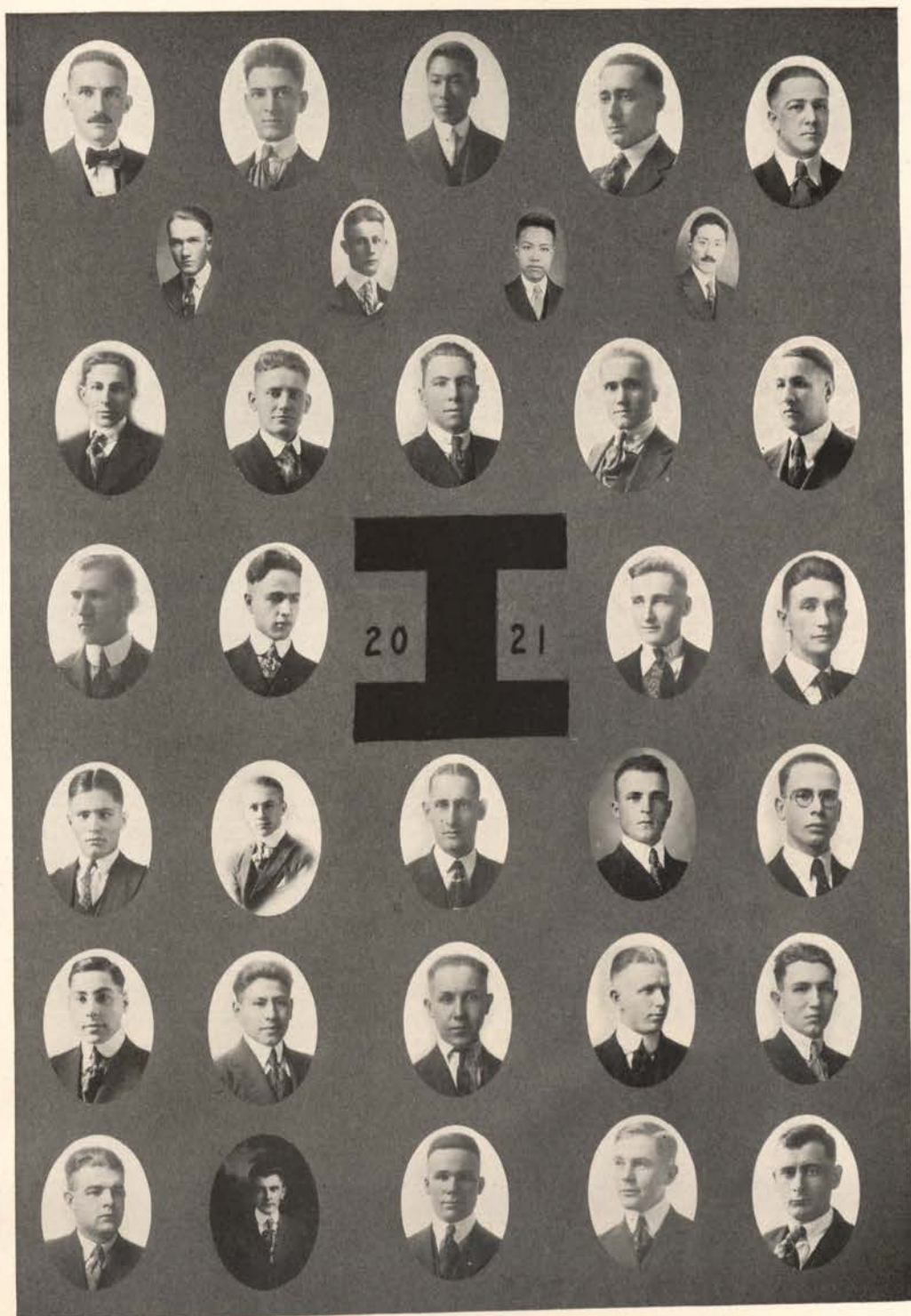
SPECIALS

C. HUNTER
H. W. HOPPER

H. JONES
W. R. STEBBINS



ROLI AMO



"Why"—Continued

FIRST EPISODE

WHEN I got off Number Eleven I was greeted by an eager looking young man who asked me if he could show me around the town (which was the first time I knew that Rolla was not a city). After toting my grip around for some time he asked me if I wouldn't go over to the "house" with him. Now, I am from St. Louis, and when he mentioned the word "house" I jumped at the chance and away we went. During our walk I noticed that he wore a something on his vest which looked to me like the emblem of the United Brotherhood of Moving Picture Machine Operators; but when I asked him what it was he told me in sacred tone that it was his "Fraternity pin." It seemed as if all the men that we met belonged to the same organization, and when we saw a student wearing any other sort of a pin my conductor would sort of shy off and somehow I never got to know any men who wore other sorts of pins. By this time we were approaching a large building that stood just south of the Campus (I didn't know that it was a Campus at that time, it just looked like a "yard" to me). Groups of young men whom I took to be students were standing around on the porch giving all of their attention to certain other specimens whom I afterward found to be first year men. This puzzled me, too, for I had always heard that the upper classmen were mighty rough on Freshmen; such, however, was not the case, and I found that never before had I received such an excess amount of attention as I got at that place. Dinner was served, and after dinner cigars were handed out and some of the more worldly wise were taken upstairs and offered liquor of various kinds, which was seldom refused though most of us had never taken a drop before. Then one by one the new men began to disappear only to reappear some minutes afterwards with faces wreathed in smiles and wearing a little round button on the lapel of their coat the meaning of which I did not know. However, I was not allowed to sit here long unmolested and I too was called up stairs and taken into a room lined with a crowd of the fratres in universitate, and their story began:

'We've the best bunch of men in the University and we are the strongest financially of any of the fraternities in the College. We've got the most spirit of any bunch in the school; we can prove it because we give our yell after every meeting. We have some of the most influential men in the school, not to mention Doc Armsby, who works for us as much as he can and is slick enough to get by with it. We once had another member of the faculty, but somehow he has gone back on us—we don't know why. Football? Goodness, yes! We've got the captain of the team and most of the members of the team and if we can work it just right we will have a Sigma Nu team, and the emblem that the players will get will be a snake instead of an "M." Some idea, isn't it?

Now we don't claim to be perfect, but you will have to admit that we are pretty darn good. (They admit it themselves.) Now, Old Fellow (throwing an arm around my shoulders), we have come to like you mighty well and we want you to become one of us. Just cancel all the rest of your dates and wear this little button.' Now frankly, I looked like a fool to turn down such a great crowd of fellows; but that's what I did.

(Continued on page 146)



ORGANIZATIONS



Tau Beta Pi

Beta of Missouri
(Installed December, 1906)

HONORARY

C. J. ADAMI	L. S. GRISWOLD
E. R. BUCKLEY*	J. A. HOLMES*
H. A. BUEHLER	G. E. LADD
D. COPELAND	D. A. LYONS
W. E. COX	A. L. McRAE
R. E. DUFFY	P. N. MOORE
R. M. RICHARDS	R. C. THOMPSON
L. A. TEST	L. E. YOUNG
C. M. WOODWARD*	

FRATRES IN FACULTATE

T. M. BAINS	L. E. GARRETT
C. Y. CLAYTON	C. H. FULTON
G. R. DEAN	J. R. GUITERAS
C. R. FORBES	K. K. KERSHNER

FRATRES IN UNIVERSITATE

W. W. WEIGEL	E. W. REMBERT
L. E. DAVIDSON	M. L. Frey
W. L. STEWART	E. S. WHEELER
W. F. NETZEBAND	J. F. HOSTERMAN
JOHN BOWLES	D. F. UPDIKE
R. J. STROUP	W. H. DUNLOP
J. P. COLBERT	J. E. JEWELL
J. M. WILSON	H. S. CRAWFORD
A. C. WILLIAMS	W. H. BAXTER
R. K. STROUP	C. R. MIZE

H. P. SHIH

*Deceased.



T A T



Theta Tau

Iota Chapter
(Installed December 30, 1915)

HONORARY MEMBER

H. A. BUEHLER

1921

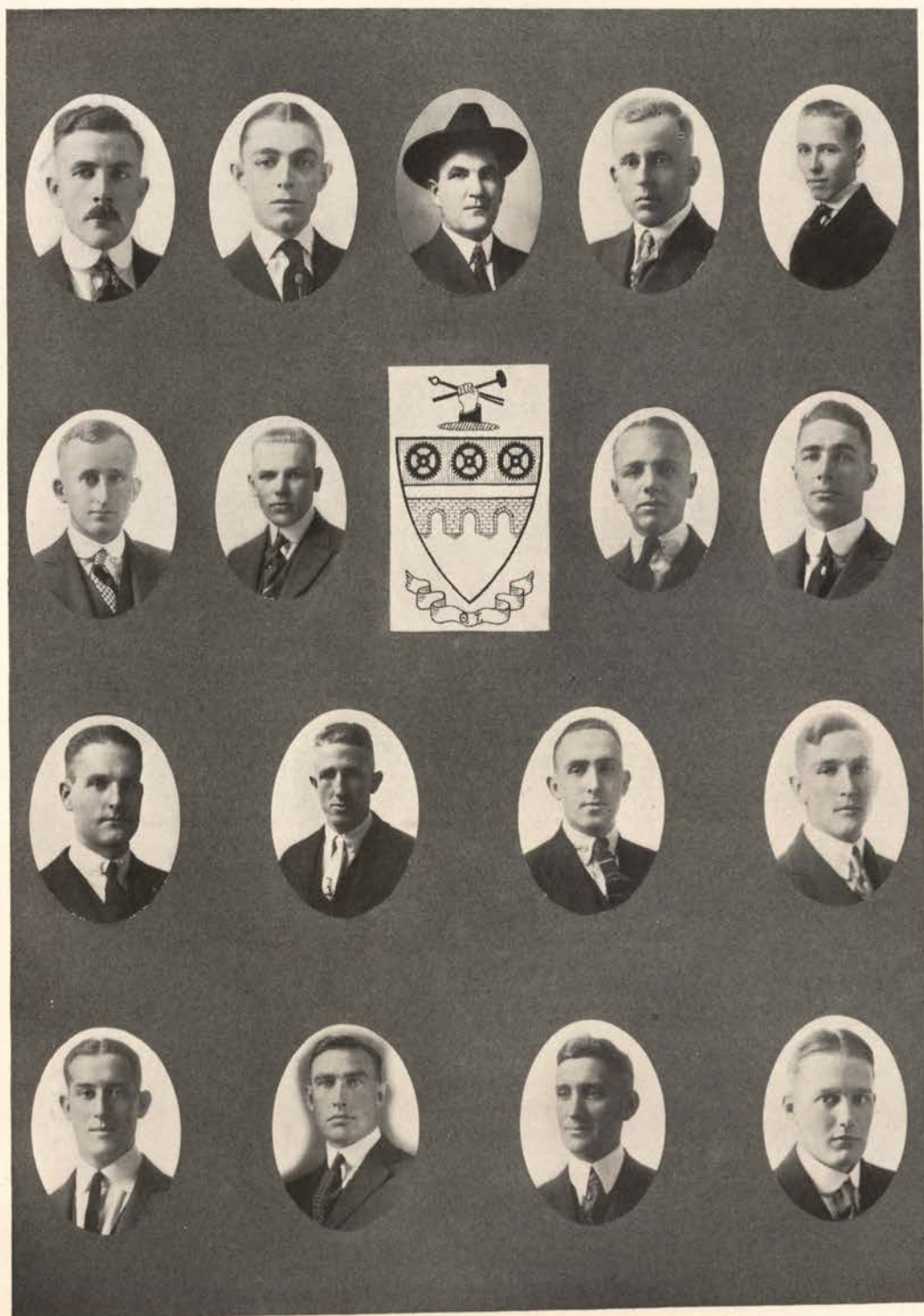
HAROLD LELAND BAILEY	HOWARD OLIVER NORVILLE
LEWIS ELY DAVIDSON	RICHARD JOHN STROUP
JOSEPH MARTLAND WILSON	LAWRENCE COLLINS
HENRY WILLIAM HURST	ROBERT K. STROUP
ANVIL CLARK WILLIAMS	JOHN RAY FIEDLER
SAMUEL HORACE LLOYD	

1922

WARREN ROY GETTLER	WILLIAM H. DUNLOP
JOHN FRANCIS HOSTERMAN	JAMES EDWIN JEWELL
STANLEY MERTON HAYES	



ROLLAMO





Geology

Metallurgy

Mining

Sigma Gamma Epsilon

Eta Chapter

(Installed December 22, 1920)

PROFESSIONAL

C. R. MIZE	<i>Mining</i>
G. B. BLOOM	<i>Mining</i>
H. E. DIERS	<i>Mining</i>
D. F. UPDIKE	<i>Metallurgy</i>
I. F. HODGES	<i>Mining</i>
W. W. KEELER.	<i>Mining</i>
A. B. NEEDHAM	<i>Mining</i>
A. F. DENISON	<i>Mining</i>
J. EWART JONES	<i>Mining</i>





"Why"—Continued

SECOND EPISODE

"Now I had been seeing a lot of these students in school wearing a sort of a diamond shaped pin and I wondered if there could be any chance of going to their house. Soon enough the chance came and when I entered their home I found that it was just a big eating club and they had about fifty members and going strong. I liked this crowd for it seemed to me that it would be less expensive for a large crowd to live together than a small one (anyway, that's what they told me), and when I was called 'upstairs' this is what I learned about this chapter:

'We've got things just the way we want them this year. During the war we had so many men stay in the Student Army that we were able to get things well in hand; we are patriotic, too, for didn't almost all our men volunteer to join the S. A. T. C.?

'We have some good men, too. Take our Bills, for instance. They can do anything and get away with it—even to alcohol. One of them was at Yale, too; went there a whole year one month. He was pledged Deke also, but when he found that they had no chapter at this school he pledged us. The other was in business during the war—we don't know what—but he's a good man all right. Take Bill Bailey, he's one of us even if he won't admit it; got him his freshman year (just like they thought they'd get me).

'There's just one thing we tried to do and didn't get results, and that didn't amount to much. We could not get our St. Pat's Queen—that we'd combine pleasure with business and get the girl, whom one of our number had in mind, but somehow it didn't work out as we expected.

'We've got enough men on the Miner Board to control that paper for several years to come.

'We've got enough men on the Tau Beta Pi roster to keep that a pledge society of ours for some time to come.

'Of course, Theta Tau is our own. Everybody will admit that. We have more strong right arms than any other frat in town—in fact, at the gentle art of hand-shaking we have no equals.

'We have so many, many things to be proud of that it is useless to tell you all of them. To sum it all up, the school could not run—absolutely could NOT operate—without our club.

'We have just twenty-five more pledge buttons left, won't you wear one of them?'

(Continued on page 150.)



ROLLAMO



Phi Kappa Phi

Honor Society

Missouri School of Mines Chapter
(Installed January 29, 1920)

ACTIVE MEMBERS

GEORGE R. DEAN
HENRY H. ARMSBY
CARROLL R. FORBES
JOSEPH W. BARLEY
CLARENCE E. BARDSLEY

ELMO G. HARRIS
LEON E. WOODMAN
AUSTIN L. MCRAE
WILLIAM D. TURNER
WILLIAM W. WEIGEL

Elected in 1920

FACULTY

CHARLES H. FULTON

FLOYD H. FRAME

KARL K. KERSHNER

UNDERGRADUATES

ERNEST W. REMBERT
WILLIAM F. NETZEBAND
LEWIS ELY DAVIDSON

JOSEPH M. WILSON
ANVIL C. WILLIAMS
WILLIAM H. DUNLOP

WILLIAM L. STEWART



Quo Vadis

Motto
"Please, mum"

A No. 1 Jungle.
Colors
Black and Blue

Flower
Dog Fennel

"A thousand miles without a red,
A side door Pullman for a bed—
At some kind dame's freely fed,
A jolly good fellow when all is said."

EDDIE BOHN

BOE IN FACULTY

"BOOTS" CLAYTON

BOES IN JOINT

"SQUEEK" NEEDHAM

"BUDDIE" McBRIDE

"FISH" SALMON

"DIP" WENDELL

"BRANDY" BRANDENBURGER

"JIMMIE" HARRIS

"SENATOR" REID

"JONESIE" JONES

"SIG" SIGNER

BUMS EN ROUTE

"MIKE" COLLINS

"BLOSSOM" BLOOM

"BILL" BAILEY

COMIN' BUMS

"MAC" McCLURKIN

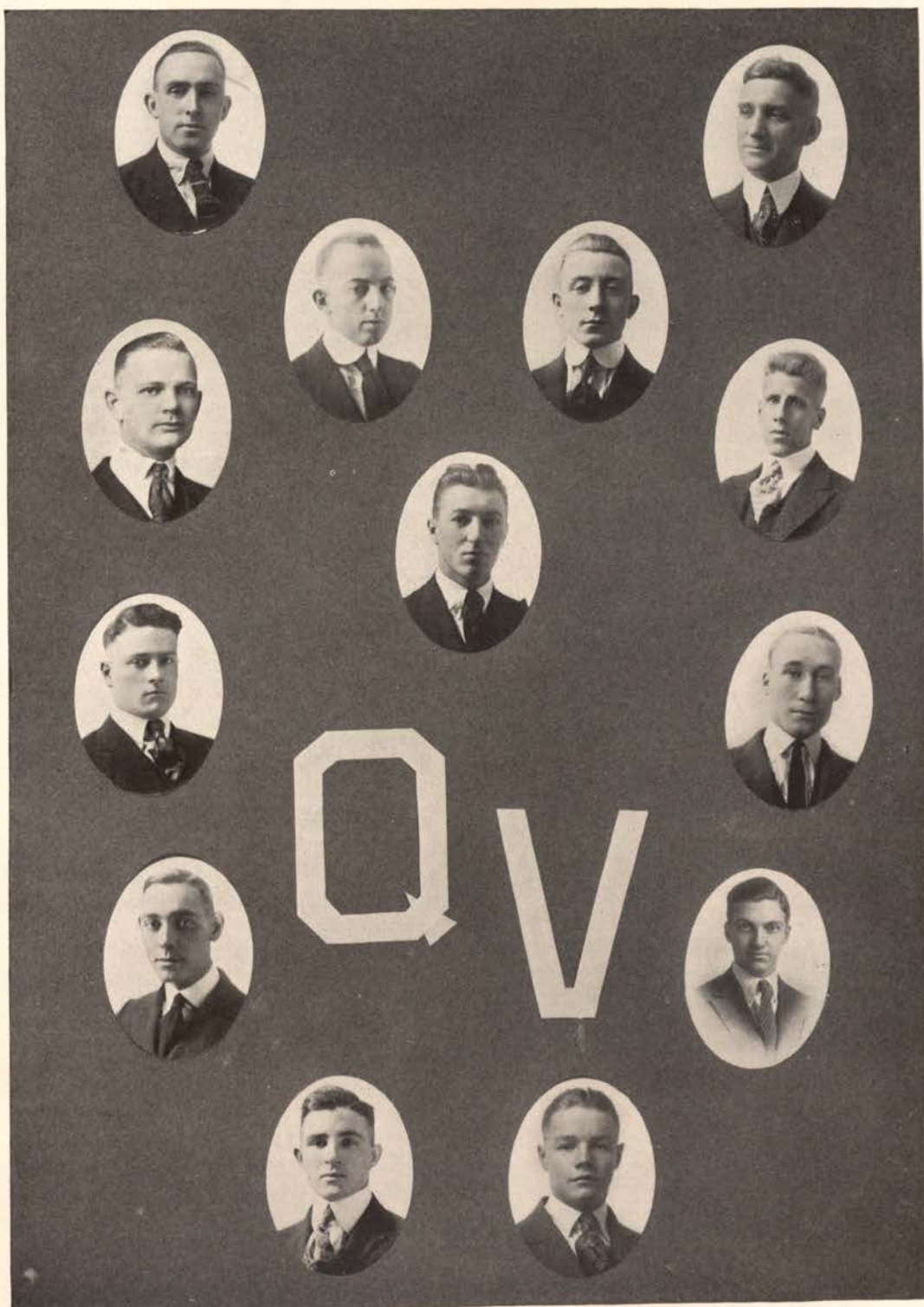
"NEWT" ROUNTREE

"KM" HUNTER

"HERB" SCHWARZ



ROLLAMO



"Why"—Continued

THIRD EPISODE

"While walking down the street that evening I was accosted by a fellow wearing one of those pins shaped like a half-moon, with some other marks on it. It certainly was a good-looking pin, and I thought how my girl would like to wear one of them set with rubies and emeralds, with maybe a diamond or two mixed in it to make it look more expensive. This man greeted me like a long lost friend and asked me if my name wasn't Newman. I told him it was, wondering how he found that out. It happened that one of his lady friends was visiting in my 'Home Town' last summer and she found out from a friend of mine that I was going to school at Rolla in the fall and told him to be sure to look me up, which he did.

"I wondered how a bunch of college students could own and keep up such a nice, large house. (This is always a source of wonder to new students until they find that the houses are rented and that the landlords only rent to College Fraternities as a last resort.) Kappa Sigma has everything—even a dog, (which I later found to belong to the Kappa Alpha boys and was ostracised because of a certain ungentlemanly conduct in their house). They had colored help, which always looked big to a new man, and they certainly treated me white. The dinner was perfect and the show we attended was one of the best I had seen, so I was feeling pretty good toward the crowd 'til I was invited 'upstairs.'

"This bunch was more clever than the rest, and they began with the following conversation between two of the brothers:

" 'Dick, this is may last year at the old school, and how I am going to miss the bunch. The old fraternity has meant everything to me since I have been here, and how I would have hated to have been left out.'

" 'Yes,' said Dick, 'it means a lot to a fellow to be called a fraternity man. A fellow little realizes when he is pledged just what an honor the fraternity is conferring upon him.'

" 'With this little conversation they began on me: 'When you have been at the college for awhile you will find that we are not as well liked as some of the other bunches.' This is a point in our favor, as it marks us as being "individual," and really we are the most aristocratic crowd in town. We are not snobs, we are just better than anyone else and we admit it, and so will you after you know us.

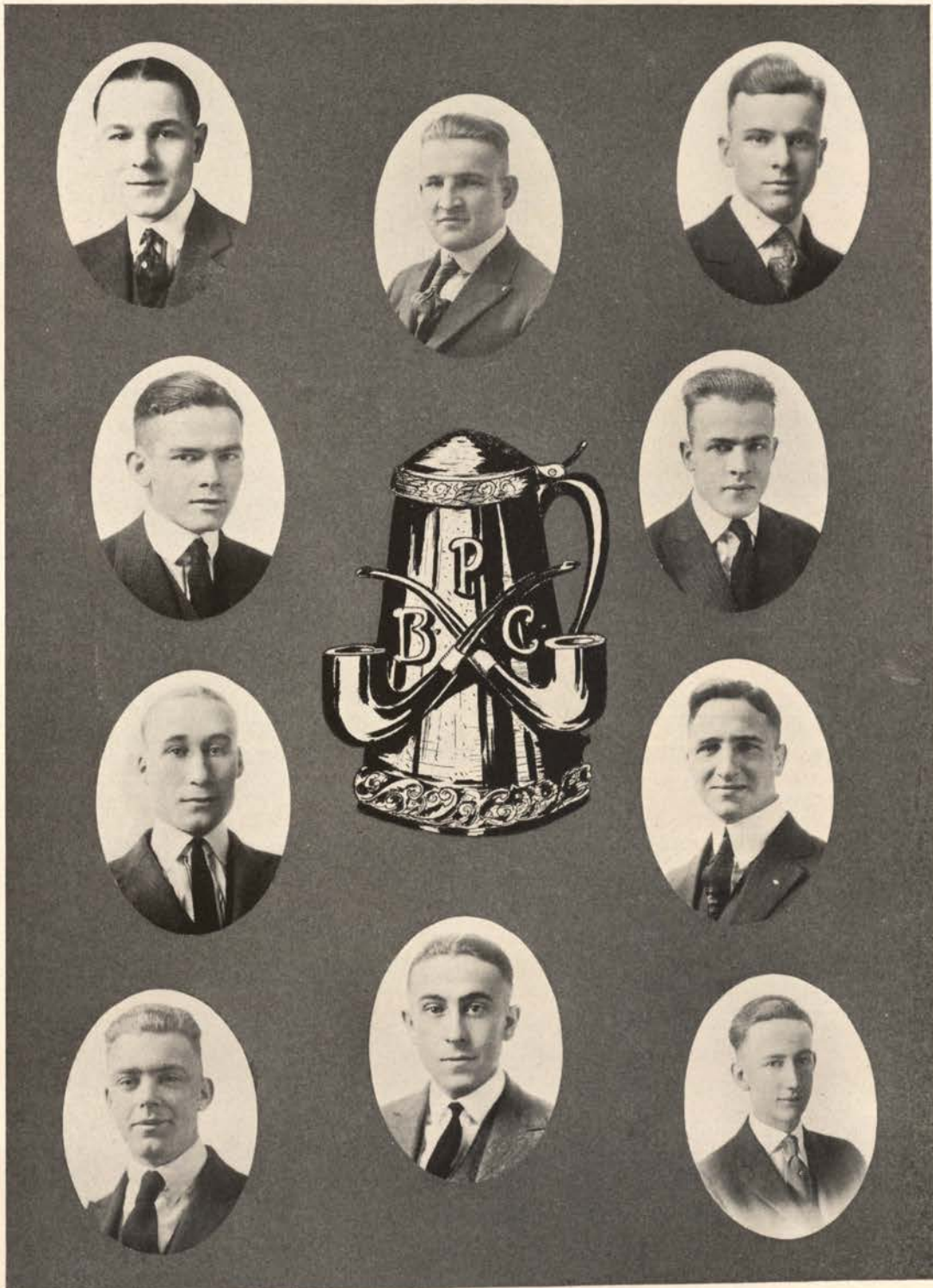
" 'Our fraternity is the largest college frat in the world, of course Lamda Chi Alpha will be larger in time, but it will be a long time, and anyway we "pick" our men (Editor's Note—we don't know how they pick them). Our organization is the oldest in the world, it even dates back to the Catacombs and to Ancient Rome. The Masons and our fraternity are brother organizations—in fact, we have borrowed much from them.

" 'This chapter is one of the oldest chapters in the institution and we believe without bouquets that we are just about as good as we could be and not be too good. Of course, we have our faults and they are good faults, and you are bound to do the right thing if you wear the little badge we have here; this is our pledge button; we want you to wear it and become a member of this grand old fraternity.'

"Again it seemed like I was making the mistake of my life but I did not go away wearing the black and gold button they tried to wish on me."

(Continued on page 174.)





Satyrs

Honorary Sophomore Organization
(Established October, 1913)

ACTIVE MEMBERS

D. S. MOSBY
H. E. ZOLLER
J. V. HARRIS
S. M. BURKE
P. E. FISCHER
F. H. HOLLOW

J. P. GORDON
H. S. PENCE
A. B. WILKERSON
S. H. STUART
D. G. GIBSON
V. H. WEBSTER

IN THE SCHOOL

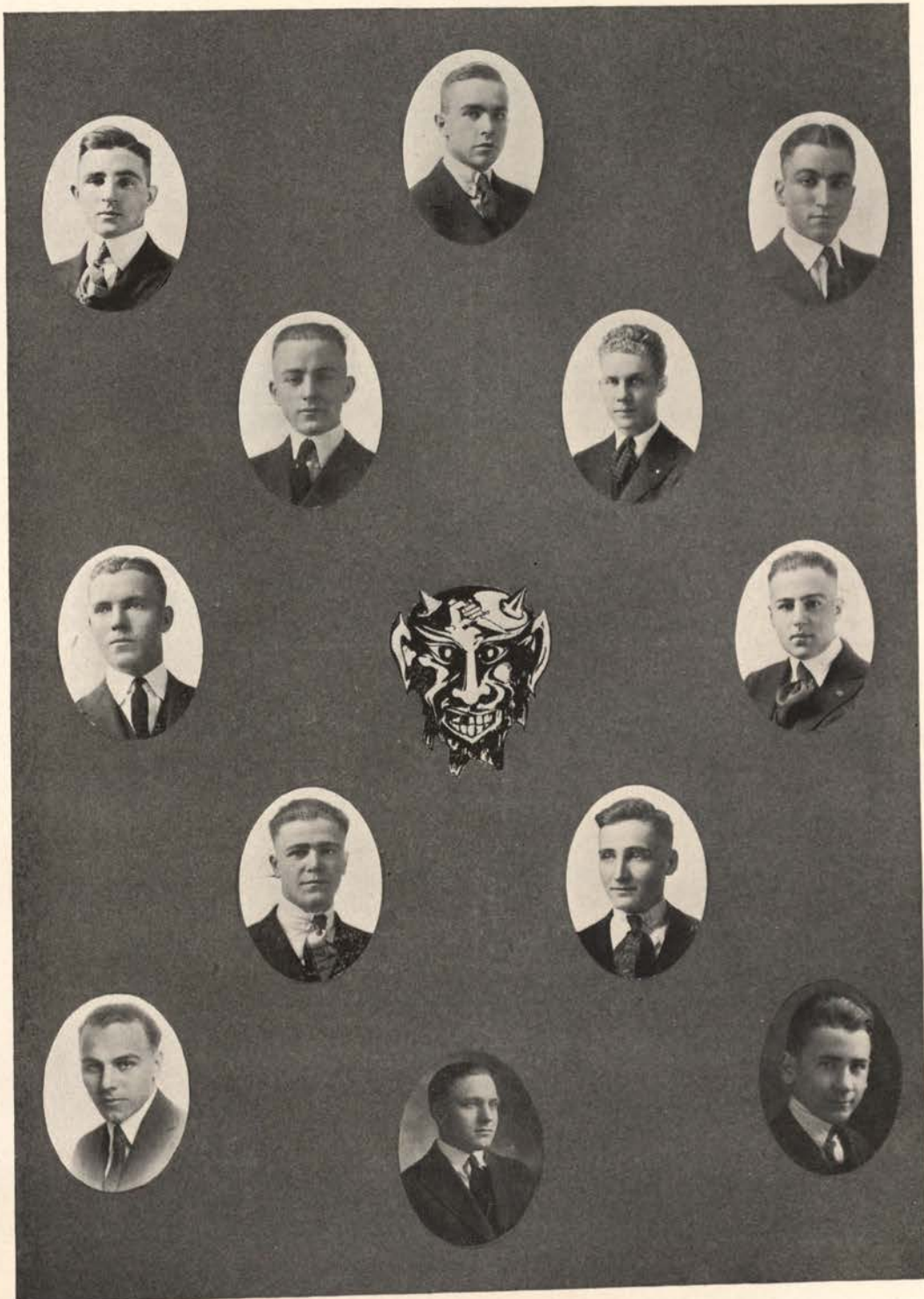
H. TAYLOR
H. H. HUGHES
V. I. KEETER
W. R. GETTLER
L. HAGOOD
R. W. HUNT

E. M. GUY
J. M. WILSON
H. C. KERR
J. E. JEWELL
H. L. LEONARD
G. J. CHRISTNER

W. E. CASE



ROLLAMO



Square and Compass

(Masonic)

HONORARY MEMBERS

WALTER ASHER	W. J. KILGORE
H. A. BUEHLER	E. J. KOCH
B. F. CULBERTSON	J. W. SCOTT
F. H. FARRIS	J. M. SOUTHGATE
M. F. FAULKENER	F. W. WEBB
R. E. HELLER	B. W. HUMPHREY

C. L. Woods

OFFICERS

VIRGIL L. WHITWORTH	<i>President</i>
GLEN V. COFFEY	<i>Vice-President</i>
THOMAS M. THOMPSON	<i>Secretary-Treasurer</i>
KURT DE COUSSER	<i>Sergeant-at-Arms</i>

ACTIVE MEMBERS

M. S. BADOLLET	C. E. BARDSLEY	W. H. BAXTER
K. W. BOOKER	J. H. BOWEN	E. F. CHAPIN
C. J. COLLET	C. L. DAKE	E. E. DECKERS
R. R. DICKERSON	H. L. DUNLAP	O. R. EVANS
C. R. FORBES	L. E. GARRET	E. M. GUY
E. G. HARRIS	D. J. HENDRY	V. B. HINSCH
D. E. HUFFMAN	V. I. KEETER	S. W. KILGORE
F. H. LANE	B. M. LAYTON	E. S. McCANDLISS
A. L. McRAE	C. C. MOSENA	G. A. MUILENBURG
H. O. NORVILLE	M. H. THORNBERRY	F. P. WHITE
	L. E. WOODMAN	

RECENT INITIATES

C. P. BURFORD	C. R. CAMERON	B. S. CORNWELL
J. R. FIEDLER	B. E. HAMMER	J. T. HODGES
MAX HOWARD	R. W. HUNT	V. J. JOSLIN
J. E. JONES	R. H. KNIGHT	H. L. LEONARD
L. E. W. LEPPER	B. NUDELMAN	W. J. SCOTT
E. H. SANGUINET	C. E. STOVER	W. R. STUBBINS
F. N. STRONG	K. R. TEIS	A. B. NEEDHAM
LIEUT. H. L. PECKHAM		W. E. TEN EYCK



ROLLAMO



SQUARE AND COMPASS



Miner's "M" Club

E. J. WENDELL	President
R. C. McCLURKEN	Vice-President
A. L. CAIRNS	Secretary-Treasurer

MEMBERS

J. H. BOWEN	Football '02
JOE BOWLES	Football '09-'10-'11
O. L. BRANDENBURGER	Football '20
A. E. BUCK	Football '20
J. L. BULGER	Basketball '20
H. C. BUSER	Football '19
A. L. CAIRNS	Football '17-'18-'19-'20
H. CHOMEAU	Track '20
G. J. CHRISTNER	Football '20
J. V. HARRIS	Basketball '20
W. H. KAMP	Track '13-'14
	Baseball '13-'14-'15-'16
	Basketball '13-'14
R. H. KENNING	Football '20
L. E. W. LEPPER	Football '12
H. L. LEONARD	Track '19
H. E. McBRIDE	Football '20
R. C. McCLURKEN	Football '20
A. B. NEEDHAM	Track '19
I. K. OWENS	Football '20
A. B. PARKHURST	Football '20
J. H. ROHLOFF	Basketball '20
C. A. RUNGE	Track '20
J. W. SCOTT, JR.	Basketball '17-'18-'19
JOHN SCHUMAN	Football '12
M. I. SIGNER	Basketball '19-'20
J. M. SOUTHGATE	Football '99-'00-'01-'02
M. H. THORNBERRY	Football '06
E. J. WENDELL	Football '20
F. P. WHITE	Track '17-'19-'20
	Football '16-'19
	Basketball '17
J. MORT. WILSON	Football '18-'19-'20
S. I. ZOOK	Football '20
H. E. ZOLLER	Football '20





MINER'S "M" CLUB

The Star and Garter

(Organized March, 1920)

Music and Drama

Membership Competitive

OFFICERS

CHARLES J. COLLET	President
MARION W. WATKINS	Vice-President
RUSSELL W. HUNT	Secretary
THOMAS G. WEIR	Treasurer

SENIORS

V. L. WHITWORTH
L. B. SCHUMACHER

E. M. GUY
W. L. STEWART

JUNIORS

T. G. WEIR
J. E. JEWELL
R. W. HUNT
H. E. DIERS
D. F. UPDIKE

F. A. KAULLEN
R. H. KNIGHT
KURT DE COUSSER
J. E. JONES
W. W. BOLT

F. K. M. HUNTER

SOPHOMORES

L. LINZER
D. S. MOSBY
C. J. COLLET
M. W. WATKINS

J. P. GORDON
F. P. MATLACK
W. P. GATTS
G. S. DOOLEY

FRESHMEN

A. L. HUNT
C. S. METCALF
J. M. WASMUND

R. N. COURTNEY
D. F. ROESE
A. W. NAYLOR

P. L. BLAKE



ROLI AMO



The Missouri Miner

BEGINNING with the first week of September, the Miner started off on the most successful year in the history of the paper. Ten members of last year's staff returned to take up their duties in their branches of the various departments: Miller, Norville, Wheeler, Leonard and Wilson, on the editorial staff; Booker, Netzeband, Kerr, Huffman and Burke, on the business staff.

"Snutz" Miller, as Editor in Chief, was always on hand to keep things moving, but due to pressing school work was compelled to resign shortly after Thanksgiving. H. O. Norville, who had served on the board as class reporter and Assistant Editor, was then elected as "Chief." He performed his duties like a seasoned veteran and it was thru his efforts that the Miner passed through a very successful season. H. L. Leonard has always been on hand to dash off the society and local news and has won considerable fame as a "Who's Who" writer. E. S. Wheeler is deserving of much credit for his diligence in reporting athletic activities and in his efforts to mould the athletic spirit of the school. Joe Wilson, our Cartoonist, has worked diligently and has made the weekly cartoons a special feature of this year's Miner.

K. W. Booker, W. F. Netzeband and W. K. Teller have handled the business affairs of the Miner in a very commendable manner. They have been true efficiency engineers in their work and through their efforts the financial condition of the Miner has been materially improved. With an increase of twenty per cent in subscriptions among the alumni, local and national business men have come to regard our columns as an effective advertising medium. S. M. Burke and G. E. Zeller have successfully coped with the problems of circulation in a creditable manner.

When all is considered, the Miner may be said to have enjoyed a very successful year. Our Christmas edition consisted of twenty-four pages, and, without doubt, was the best issue of the Miner ever published. Our St. Pat's issue was above the standard. The old paper of eight pages was increased, in many issues, to ten and twelve pages.

The staff has attempted to give the student body, the faculty and the alumni an unprejudiced reflection of school life and school opinion. It has been the aim of the staff to reflect in every respect the feelings of the college regarding those events which have come to our notice.



Press Club

The Press Club was organized last year to promote interest in technical writing among the students of M. S. M. The membership included all men who have been or are at present on the Miner Board.

A great many plans were considered for exciting more interest in writing, but the one finally accepted was that of offering a prize of \$25.00 for the best technical article or editorial written by a student.

The contest started in January and ended March 1st. The winning article was printed in the St. Pat's issue of the Miner. *Other articles* of special merit are to be printed in the Miner from time to time, and no doubt will be of much interest.

The Press Club deserves much credit for its work and it is hoped that the students will respond to this offer made to them, not entirely for the *monetary* value of the prize, but for the experience that will be gained in working upon such articles.

Engineers are inclined to belittle their work in English. If they realized its great importance in actual practice they would undoubtedly take more interest in their writing.





Press



Club



The Student Council

OFFICERS

GEORGE B. BLOOM	<i>President</i>
WILLIAM BAILEY	<i>Vice-President</i>
THOMAS G. WEIR	<i>Secretary-Treasurer</i>

MEMBERS

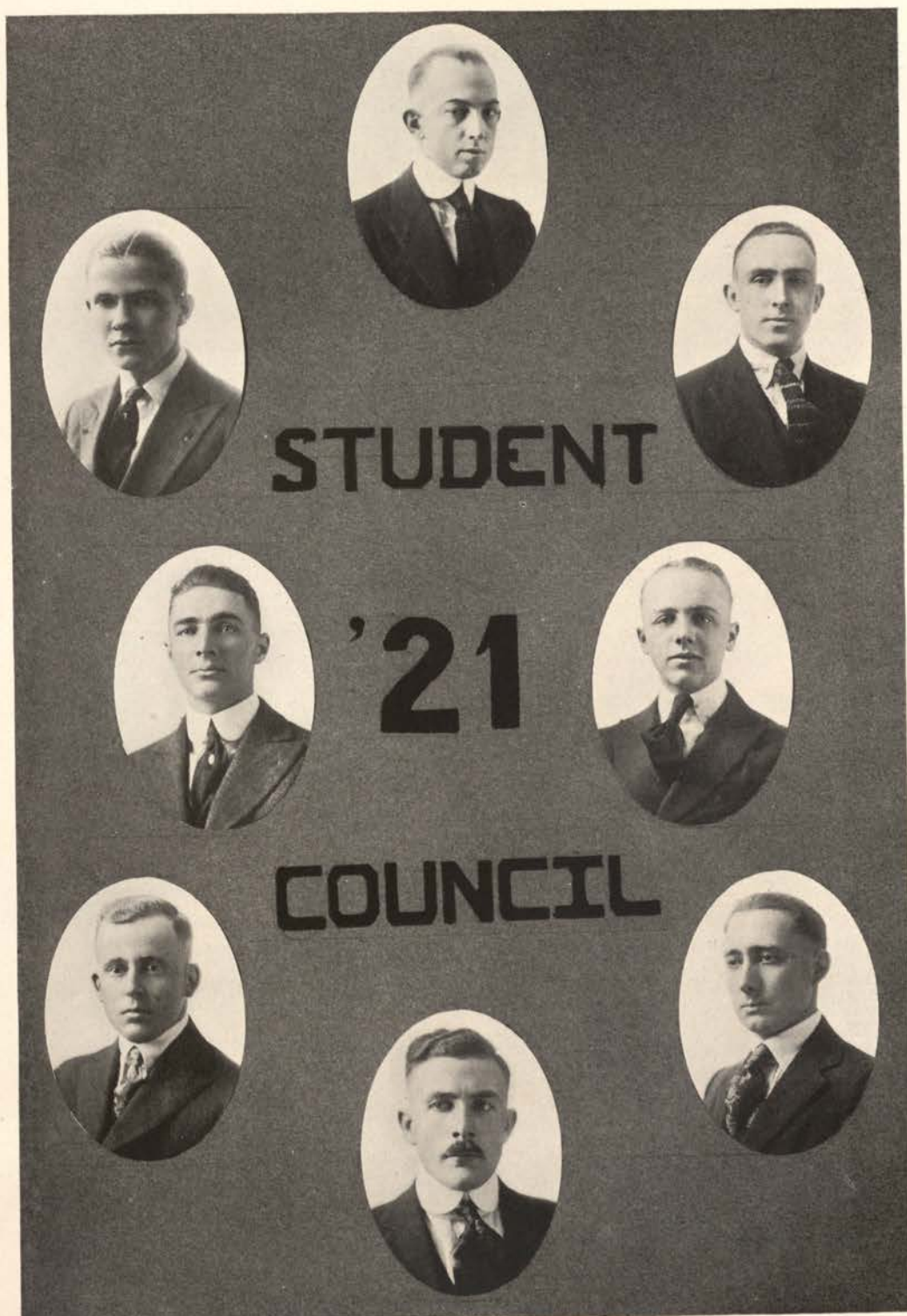
G. B. BLOOM	T. G. WEIR
W. BAILEY	H. HURST
R. GETTLER	A. DELALOYE
R. K. STROUP	L. E. DAVIDSON

The Student Council of the Missouri School of Mines consists of five men. Three of these are from the Senior Class and two from the Junior Class, and are elected by the student body.

This year, Bloom, Bailey and Hurst from the Senior Class, and Weir and Gettler from the Junior Class were elected to serve until April, 1921, but due to the graduation of the three Senior members, it was necessary to elect new men. The men elected to fill these vacancies were Davidson, Delaloye and Stroup.

The Student Council has been more active and more representative of a "Student Council" this year than in those previous, particularly so regarding the class fight and green caps. It also handled many minor cases very creditably, and it is hoped that the organization will continue in the future to be as active as it has been in the past year.





The Mercier Club

Chaplain
REV. FR. JOHN P. LYNCH

OFFICERS

D. F. WALSH	<i>President</i>
S. M. BURKE	<i>Vice-President</i>
D. S. MOSBY	<i>Secretary</i>
OTTO EHLE	<i>Treasurer</i>
F. A. KAULLEN	<i>Historian</i>

MEMBERS

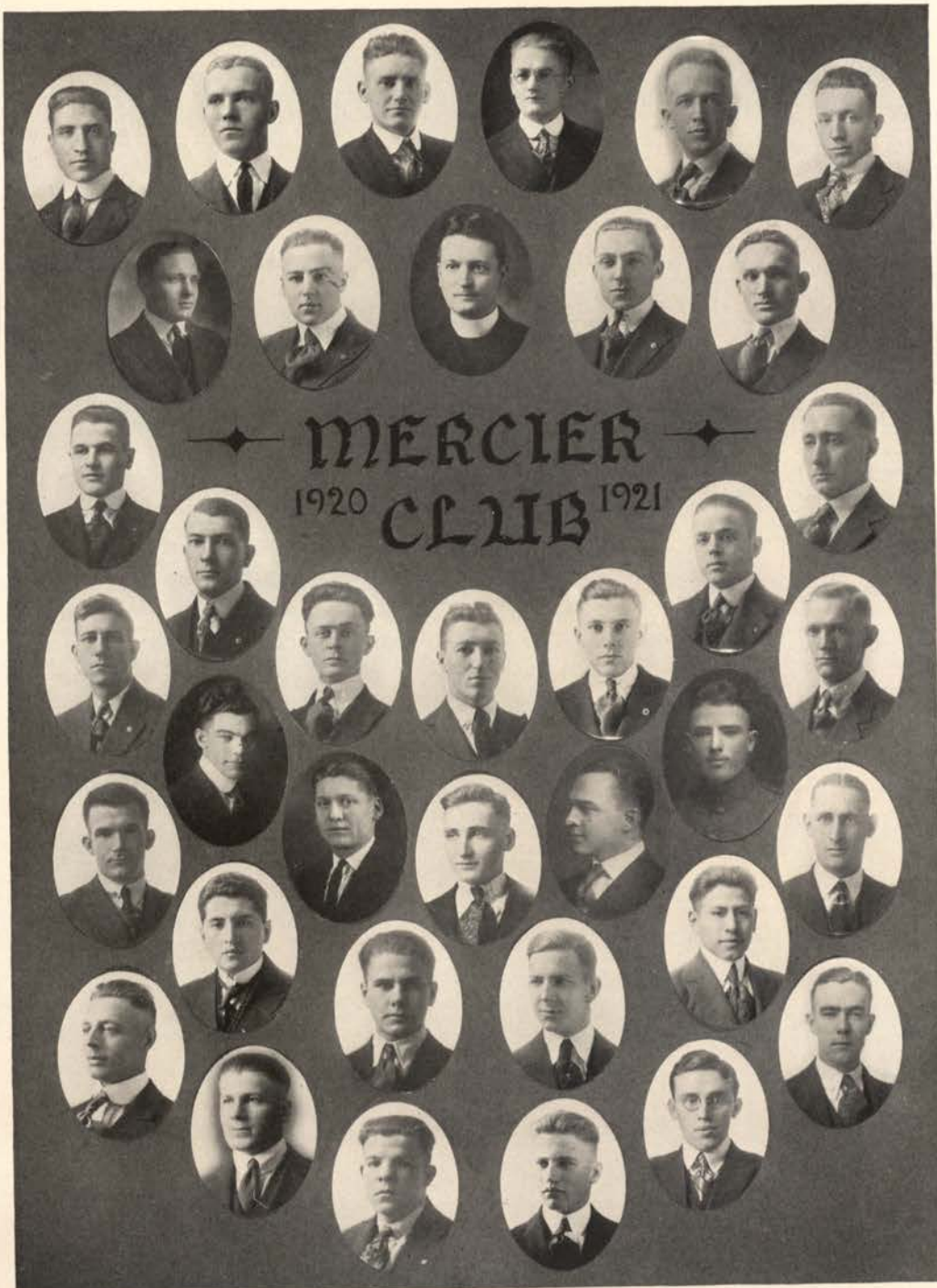
A. C. ALGERMISSEN	ED. KRUSE
P. BISCH	R. J. LAPEE
E. J. BOHN*	HIRAM LAWRENCE
J. L. BULGER	F. E. LOWD
E. DE CARDENAS	JAMES MCCARTHEY
A. S. CHAPPIUS	R. J. MCCUNE
F. A. CANALES	J. M. McDONELL
F. A. DECKMEYER	GEORGE NAWN
A. F. DELALOYE	JOHN P. OSTER
A. DEVEREUX	R. L. PARKER
C. J. GRIP	G. L. RICHERT
M. V. HEALEY	E. B. SANDERS
J. J. HABERTHIER	CHRIS. SOUTHERN
F. R. HALASEY	G. F. WILLIAMS
F. H. HOLLOW	R. ZEVALLOS
R. E. ILLIDGE	H. E. ZOLLER

ASSOCIATE MEMBERS

REV. J. J. HUGHES	E. J. CAMPBELL
J. E. BULLARD	D. F. DONOHUE
W. H. FETTERS	L. W. HIGLEY
C. E. PARKER	

*Died Nov. 7, 1920.





Missouri Mining and Metallurgical Association

ALTHOUGH the Mining and Metallurgical Association got an early start this year, there was but one lecture given during the first term. This was a talk by J. R. Guiteras on "Mining at the Chile Copper Co., Chuquicamata, Chile."

More activity was displayed during the second term by the society. In January John Bowles gave a talk on Woodriver, Idaho. In the following month J. Gross of the Bureau of Mines told us of his experiences in Alaska. The last meeting of the year was turned over to H. A. Buehler. As usual, he gave us a very interesting lecture.

The Association is affiliated with the American Institute of Mining and Metallurgical Engineers. Many of our members are Junior Associates of this national organization.

OFFICERS

A. F. DELALOYE	President
A. L. ACKERS	Secretary





MINING AND METALLURGICAL ASSOCIATION

The Metallurgical and Chemical Society

THE METALLURGICAL AND CHEMICAL SOCIETY, which is composed of men who intend to make some phase of chemistry or metallurgy their life work, has had a number of successful meetings this year. These have been held with the object of presenting the various phases of practical work that the different members have come in contact with in their work.

During the year the following addresses were made at the meetings:

The Relation between the Research Laboratory
and the Industrial Plant . . . HUSTON TAYLOR

Harding Ball Mills . . . G. F. METZ

The Use of Powdered Coal in Lead
Blast Furnaces . . . D. E. HUFFMAN

The Littlest Things in Chemistry . . . B. NUDELMAN

Ancient History . . . E. BUSKETT

The business meetings were generally followed by a social hour at which time refreshments were served.

The Diphenyl Dozen, an organization of chemists, has been a very great aid in assisting the society, and on December 9th they were hosts to the society when the new physical laboratory was given a formal christening.

OFFICERS

HUSTON TAYLOR	<i>President</i>
PAUL H. KARGES	<i>Vice-President</i>
OTTO EHLE	<i>Secretary-Treasurer</i>





METALLURGICAL AND CHEMICAL SOCIETY

AMERICAN ASSOCIATION OF ENGINEERS



The American Association of Engineers is a national society composed of members of all branches of the engineering profession. Its objects are to advance the standing of the profession, and to promote the welfare of its members, particularly along non-technical lines.

The Missouri School of Mines Chapter was organized in the spring of 1920 and received its charter a few weeks before Commencement. A constitution was adopted and officers for the ensuing year were elected, but no real work was done until fall of this school year.

Service is the policy of the Association. The chapter has elected a representative to the Rolla Chamber of Commerce and through its Publicity Committee aided in passing a bond issue to improve the local light and power plant. The school directory, published by the local chapter, is a publication that has proven very valuable to every one. Other activities such as a schedule of salaries for Mining Engineers and a state law for licensing engineers have proven important to the association at large.

The officers of the chapter are:

H. H. ARMSBY	<i>President</i>
J. P. COLBERT	<i>First Vice-President</i>
C. E. BARDSLEY	<i>Second Vice-President</i>
E. M. GUY	<i>Secretary-Treasurer</i>
H. O. NORVILLE	<i>Publicity Manager</i>



Membership List of A. A. C.

ACKERS, A. L.	DIERKING, G. T.	LAPEE, J. R.	SALMON, J. C., Jr.
ALTON, W. J.	DIERS, G. P.	LAY, W. C.	SANDERS, A. E.
ANDERSON, A. S.	DIERS, H. E.	LENOX, J.	SCHOTT, T. C.
ANDREWS, J. L.	DOOLEY, G. A.	LEONARD, H. L.	SHIH, H. P.
ARMSBY, H. H.	DUNLOP, W. H.	LINZER, L.	SIEGLE, Wm.
BARDSLEY, C. E.	EBLE, O.	LOESCHE, H. C.	SITZLER, C. W. B.
BEDELL, M. N.	EVANS, O. R.	LUMPKIN, L. E.	SMITH, C.
BISCH, F. G.	FISHBURN, C. D.	LUSTER, T. C.	SMITH, R. D.
BLAKE, P. L.	FORAN, L. A.	MCCARTHY, J.	SOTIER, A. L.
BLICKENSBERGER, J.	FORMAN, P. G.	MCCLELLAN, M. H.	SOUTHERN, C.
*BOHN, E. J.	FRAME, F. H.	MCCLELLAN, R. C.	SOUTHWATE, J. M.
BOOKER, K. W.	FRAME, W. S.	MAREK, H. C.	STORRS, S. E.
BOWERS, C. G.	FREY, M. L.	MEEKS, F. Z.	STOVER, C. E.
BOWLES, J.	GOLLUB, M.	METZGAR, W. A.	STROUP, R. J.
BOWMAN, K. M.	GORDON, J. P., Jr.	MIKELL, W.	STROUP, R. K.
BROWN, P. M.	GRAHAM, W. S.	MILLAR, C. J.	STUART, S. H.
BRYAN, J. P.	GRAY, F. F.	MILLER, J. G., Jr.	SCHUMACHER, L. B.
BUCK, A. E.	GUY, E. M.	MILLIKAN, C. E.	SCOTT, G. R.
BURFORD, C. P.	HABERTHIER, J. J.	MONAHAN, J.	TEDFORD, E. S.
BURKE, S. M.	HAGOOD, L.	MOODIE, D. L.	TEVIS, C. C.
BUSER, H. C.	HALASEY, F. R.	MOSBY, D. S.	THOMPSON, P. F.
CALVERT, C. P.	HARRIS, E. G.	MOSENA, C. C.	THOMPSON, T.
CARDENAS, E. DE	HAYES, S. M.	NAPPER, H. I.	TIRRE, F. M.
CASE, W. E.	HEIDTMAN, H. H.	NAWN, G. F.	TORRENCE, E.
CASEY, W.	HENDRY, D. J.	NAYLOR, A. W.	TURNER, H. L.
CASTELLI, J.	HINSCH, V. B.	NETZEBAND, W. F.	WALLACE, J. F.
CATHCART, E. H.	HODGES, I. F.	NEUWIRTH, A. G.	WALLACE, M. W.
CHANG, K. Y.	HOFFMAN, R. A.	NORVILLE, H. O.	WALLING, W. H.
CHAPIN, E. F.	HOLLAR, P. A.	NUDELMAN, B.	WATKINS, M. W.
CHRISTNER, G. J.	HOLLINGSHEAD, H. A.	NUNNALLY, H. N.	WATTS, A. B.
CHRISTOPHER, J. H.	HOLLOW, E. J.	PACKMAN, N.	WEBSTER, V. H.
COAKLEY, J. L.	HOWARD, M. R.	PARKHURST, A. B.	WELLS, H.
COFFEY, G. V.	HUCKINS, J. G.	PATTERSON, H. F.	WERNER, W. A.
COLBERT, J. P.	HUFFMAN, D. E., Jr.	PENCE, H. S.	WESTGARD, J. A.
COPE, O. C.	HUNT, J. O.	PESOUT, E.	WHITNEY, H. M.
CORNWELL, B. S.	JEWELL, A. B.	PORTER, E. K.	WHITWORTH, V. L.
CROUSE, G. T.	KALEY, C. B.	POWELL, W. A.	WILKERSON, A. B.
CROW, W.	KARGES, P. H.	REEVES, J. M.	WILLIAMS, A. C.
DAMOTTE, E. V.	KASEL, R. G.	REMBERT, E. W.	ZELLER, G. A.
DAVIDSON, L. E.	KAULLEN, F. A.	REMMERS, W. E.	ZIMMERMAN, D.
DAVIS, C. B.	KEMPER, C.	RHOADS, R. L.	ZOLLER, H. E.
DELALOYE, A. F.	KENNING, R. H.	RICHARDS, R. E.	ZOOK, S. I.
DENISON, A. F.	KENYON, R. J.	RICHERT, G. L.	
DENISON, W. R.	KERR, H. C.	RUNGE, A. E.	
DEVEREUX, P. A.	KERCHNER, K. K.		

*Deceased.



"Why"—Continued

FOURTH EPISODE

"The next man that I met was a rotund looking youth named Laun. This fellow wore a different pin from the rest of those I had met and when I asked him what Club it stood for he was righteously indignant. 'Why, man, that pin stands for the best fraternity in the world (I had heard the same statement somewhere before), it is General Pershing's own.' Now this sounded like real stuff to me and I wondered how it happened as I had not known that the General had attended the School of Mines. This was of great interest to me and I began to think that maybe I had very nearly missed something.

"Their club house was situated in still a different part of town and the house itself was very unpretentious. This was in favor of the fraternity, I thought; because the others were so extravagant in the matter of houses that I knew it must be a burden on the members to keep them up, but this opinion was short-lived for I learned very soon that they had enormous plans on foot to build a house that would put all the rest to shame.

"As soon as they could work it (they call it separating the sheep from the goats—but really the sheep is the goat in the long run if they get him). I was called 'upstairs' for a fourth time and was beginning to think that all of the members of the various fraternities were 'second story workers.' This crowd was not so good on the gentle art of bull throwing, but their arguments were forceful enough anyway. These are some of the statements made by them:

" 'We are the only fraternity that can make good men out of the odd ones.

" 'We hold the record in establishing chapters of our organization at the various institutions in the country.

" 'We are the only crowd that can have its share of Tau Bets and also its share of Theta Taus, Sig Gams and Quo Vads. How do we do it? We don't know—we just DO.

" 'We've got Slim Updike, Squeek Needham, Count DeCousser, and had some more good men at one time but we lost them last year.

" 'We are the only fraternity that can keep our internal troubles to itself.

" 'We are the only fraternity that kept open house during the summer (open house was right), but we will never allow it again because one of the P. K. A's. darn near ruined our reputation—we truly have a reputation though you'd never guess it.

" 'But take it all around, I don't know where you'd beat us, not in this school, at least. We get by—but don't ask us how, because we don't know ourselves. We just do, and HOW WE DO!

(Concluded on page 180.)



R.O.T.C....



MAKE IT SNAPPY!

J.W.





THE BATTALION

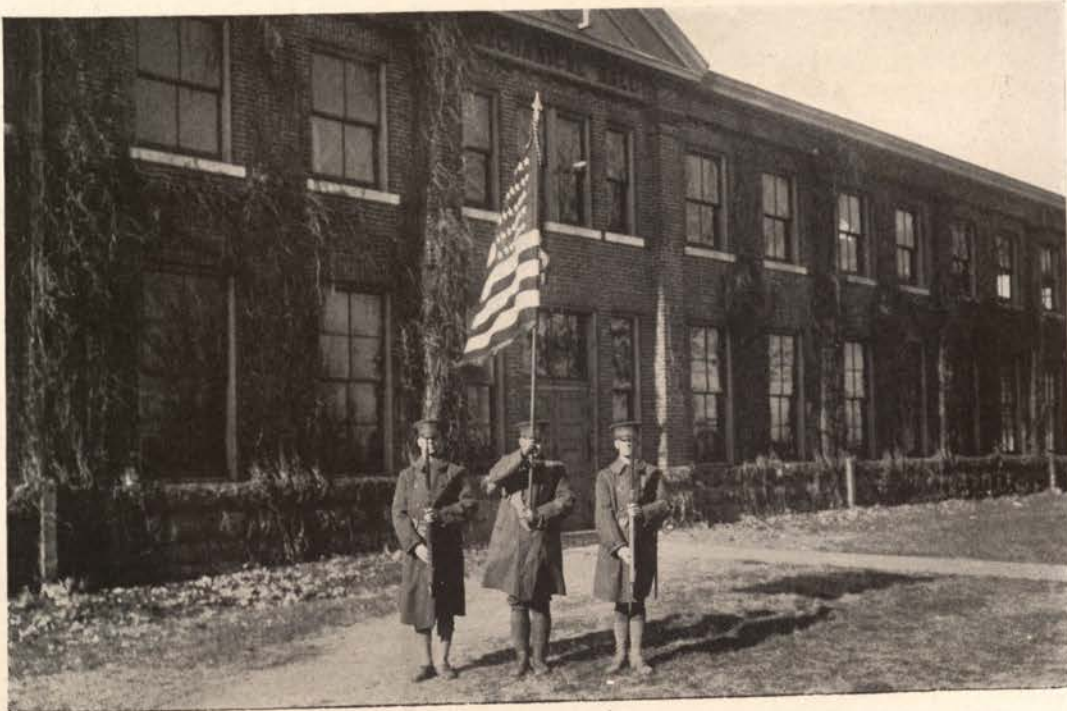




Captain and Adjutant
THOMY, L.

BATTALION STAFF
Major
MILLER, E. L., JR.

Captain and Supply Officer
DE COUSSER, K. H.



Color Sergeant
COFFEY, G. V.

COLOR GUARD

Corporals
BUCK, A. E.
ELLIS, C. F.





COMPANY "A."

Captain

BOLT, W. W.

First Sergeant

BURKE, S. M.

Buglers

PESOUT, E.
WELLS, H.

FIRST PLATOON

Leader

First Lieutenant
KNIGHT, R. H.

Platoon Sergeant

LOESCHE, H. C.

Sergeants

ORR, R. F.
LINDGREN, R. A.

Corporals

HEGWAR, P. J.
GREGG, J. L.
WATTS, A. B.

Privates

CAMPBELL, J. P.
CHRISTOPHER, J. H.
DAVIDSON, R. V. A.
DAVIS, C. B.
GABLER, G. C.
GRAHAM, W. S.
HOLLOW, F. H.
JETT, J. E.
KEMPER, C. L.
MOORE, H. H.
NAWN, G. F.

PARKHURST, A. B.
PORTER, E. K.
REMMERS, W. E.
ROUFF, C. M.
RUNGE, A. E.
WALLACE, J. F.
WEIMER, W. H.
WILMESHER, C. F.

SECOND PLATOON

Leader

Second Lieutenant
ZEIGLER, W. C.

Platoon Sergeant

FREY, M. L.

Sergeants

MEEKS, F. Z.
BLICKENSERFER, J.

Corporals

GIBSON, D. G., JR.
FRAME, W. S.
MIKELL, W.

Privates

ANDREWS, J. L.
BALLINGER, R. A.
CASEY, W. E.
GREENSWEIGHT, A. S.
LAY, W. C.
MARTYN, P. F.
MAREK, H. C.
MCCLELLAN, M. H.
METCALF, C. S.
MOODIE, D. L.
MURPHY, R. E.
NAYLOR, A. W., JR.
SCHMIDT, K. A.
SITZLER, C. W. B.
STRONG, F. N.
SUBLETT, I.
THOMPSON, P. F.
WANENMACHER, J. M.
ZIMMERMANN, D.





COMPANY "B."

Captain

STUART, S. H.

First Sergeant

MCBRIDE, H. E.

Buglers

SCHWARZ, H. G.
KEYES, I. W.

FIRST PLATOON

Leader

First Lieutenant
ZOLLER, H. E.

Platoon Sergeant

LEONARD, H. L.

Sergeants

TORRENCE, E. J.
KIMMEL, V. E.

Corporals

BURCH, I. C.
FISHBURN, C. D.
TETER, W. E.

Privates

BAUMGARTNER, B. K.
CARTER, R. A.
COURTNEY, R. M.
FLECK, H.
HAYWOOD, E. G.
HUNT, J. O.
KALEY, C. B.
KESSLER, H. H.
MONAHAN, F. M.
MURPHY, J. K.
ROESE, D. F.
SCHOTT, T. C.
SCHRAMM, H. O.
STORRS, S. E.
TEVIS, C. C.
UNDERWOOD, F. J.
WEIGEL, M. P.

WILKERSON, A. B., JR.
WILSON, E. M.
ZELLER, G. A.

SECOND PLATOON

Leader

Second Lieutenant
REEVES, J. M.

Platoon Sergeant

MENNIE, B. R.

Sergeants

HOOVER, B. F.
NUNNALLY, H. N.

Corporals

GRADY, R. F., JR.
JEWELL, A. B.
DROUOT, H. R.

Privates

BACKER, W. H.
BARNETT, W. J.
BOWERS, C. G.
CASTELLI, J.
HUNT, A. L.
HOOPER, E. G.
KNIGHT, J. R.
LINZER, L. M.
LOEVY, D. B.
LUSTER, T. C.
MAGALIS, C. W.
MARTIN, G. V.
MCCLELLAND, M. M.
SCHAEFER, C. F., JR.
SOTIER, A. L.
WALKER, A. W.
WALKER, J. R.
WEBSTER, V. H.
WESTGARD, J. A.
WRIGHT, W. S.



"Why"—Continued

FIFTH EPISODE

"Now it happened that when I matriculated in college I started rooming at the home of the lady who cooked for the other fraternity in school—that good old Southern fraternity—Kappa Alpha. The first day I was there her son asked me if I wanted to join a frat, and I told him I was not particular; but he told me that the Kappa Alphas would be glad to have me for they needed freshmen to keep up the fires for them. Of course, I did not like to be recommended by the son of the landlady, but I soon found out that fraternities would take information from almost anyone and likely were glad to get the recommendation. Time went on, but the invitation from this crowd did not come 'til finally one of their members came to me and told me how good they were. He said:

" 'We are the only fraternity that occupies the house in which we live.

" 'We do not enter politics (they all say that).

" 'We have some of the best men in school (they meant they did have in 1916).

" 'We've got the best house on the campus (they mean Prof. Harris has).

" 'We've got a member on the Rollamo Board (everybody has).

" 'We have a faculty representative (he won't admit it though).

" 'We have the most of Rolla's 400 "sisters" (query—what is a fraternity sister? Did anybody ever hear of one?)

" 'We have a lot of good friends in town, too, among the most influential men of the vicinity; we had Colonel Woods until the sewer pipe broke.

" 'Taking it all in all, we think we are pretty good; in fact, we know we are pretty good and sometimes we can make the statement without anyone disputing the fact, but that is because the most of them are jealous of us (of what?)

" 'We limit ourselves to the good old South (old is right), and the ideals of the grand old brotherhood do not allow us to change that policy, which is really a benefit (we don't know how).'

"They really did not have such a bad bunch of fellows, but then you might say the same thing for all the rest; so I 'laid off,' and this with all the rest is—WHY."

THE END.



STUNTS



JOE WILSON



St. Pat's Day

AULD IRELAND is not the only locality that has called in the Honored and Venerable Saint Patrick to rid itself of the reptiles that bothered the inhabitants. In the early days of the Missouri School of Mines several Miners reported the fact that they had seen these serpents and that they thought that it was advisable to get rid of them before they became too numerous. This idea met with spontaneous enthusiasm. Then the idea of awarding the task to one of the engineering fraternity was thought of, and the recipient of such a job could be but one man and that was St. Pat himself.

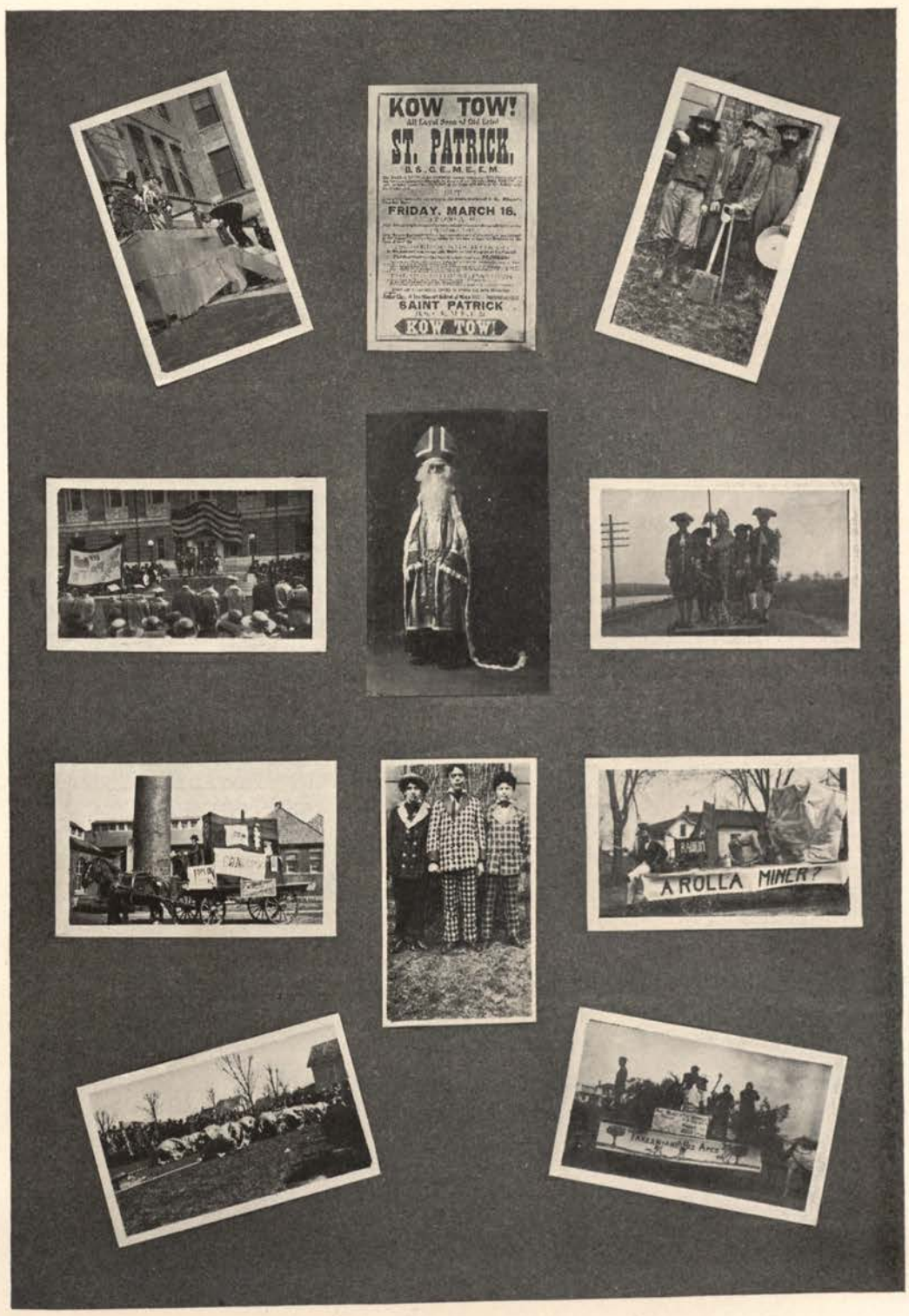
Thus it came about that John Bowles had the honor of interviewing this worthy saint, thrust upon him. John brought back a promise from St. Pat that he would visit the Missouri School of Mines on his next birthday if possible.

At the beginning of March he sent word that it would be impossible for him to come here in person. And with this announcement he delegated his powers to George Menefee. This was in the year 1908. Early in the morning of the 17th the student body turned out in full force to welcome St. Pat as he came into Rolla. He came in on his handcar. The crowd of students escorted him to the campus, where he was given the opportunity of viewing the portion of Rolla where he was to exercise the powers that St. Pat had given him. He ran a careful traverse, checking to the ten-thousandths, of the area with a transit that was both original and unique. This instrument consisted of an empty beer bottle set in fork of a branch of tree. This act ended the day's affair, and St. Pat's representative marched back to the music of the band which was present on the campus. Such was the modest beginning of the modern celebration of St. Pat's.

Since then the movement has come to be recognized as an authorized holiday and has taken the place of all other holidays in magnitude and importance. Various stunts have been added from time to time. These include the parade, the minstrel show, the Masqued Ball and the knighting ceremonies. A further feature is the queen that is to accompany St. Pat at the ball. Miss Helen James Baysinger was the first queen in the year 1915.



ROLLAMO



OTHER VISITS OF ST. PAT



The Pollamo Play

"OFFICER 666," a comedy in three acts, presented under the auspices of the Star and Garter for the benefit of the Rollamo Board, proved to be a success rivaled only by "Billie" and "Stop Thief" of last year. The play, difficult to present under normal conditions, was handicapped by the fact that the time was limited. Only thru the efforts of a well picked cast and a capable director was the play successfully staged.

The play deals with a young millionaire who has traveled abroad in search of adventure. Failing in his search, he returns to find adventure in his own home in the form of an attempted robbery, a girl and Officer 666. The play, full of action and humor, was a direct hit and is another addition to the long list of plays successfully presented at Parker Hall.

The Rollamo Board is indebted to the cast, W. L. Stewart, H. H. Armsby, the Freshman Orchestra, and all who contributed in any way to the success of "Officer 666."

CAST

Bateato	VIRGIL WHITWORTH
Michael Phelan, Officer 666	PEMBERTON GORDON
Whitney Barnes	WILLIAM HOKE
Travers Gladwin	WILLIAM BAXTER
Helen Burton	CHARLOTTE FARRIS
Sadie Small, her cousin	BILLIE FARRIS
Mrs. Burton	MARGUERITE NORVILLE
Alfred Wilson	WILLIAM STEWART
Watkins	CHARLES KISKADDON
Police Captain Stone	MARION WATKINS
Kearney, a plainclothes man	CHARLES COLLET
Ryan, a policeman	SAM STUART

SCENES

- Act. 1. Drawing Room of the Gladwin Home—afternoon.
 Act. 2. The same room—evening.
 Act. 3. Same as Act 1.

STAFF

Director	WILLIAM STEWART
State Manager	H. H. ARMSBY
Properties	J. F. HOSTERMAN, W. E. CASE
Business Manager	HUSTON TAYLOR

Music furnished by the Freshman Orchestra.



Football Banquet

ON WEDNESDAY, December the 8th, 1920, a banquet was tendered the thirty men that composed the 1920 football squad. The success of the team prompted the student body to give this banquet in honor of the men. This is the first of such banquets, for after the close of each season a similar affair will be given.

The thirty men were the honor guests. Besides these, there were nearly three hundred others that attended this affair. Among those present to do honor to the squad were Rolla business men, faculty members and students.

Cheers given by the upper classmen and Freshmen opened the eventful evening. A very appetizing supper was served by the ladies of the Presbyterian Church. After the supper was over the speeches were begun.

"Thorny" acted as toastmaster and introduced the various speakers. Among these was Dr. Fulton, who awarded the letters to the men of the team. Eddie Bohn, who was killed in the Warrensburg game, was awarded the honorary letter.

Among others who spoke that evening were: Coach Roger McCune; Coach Spike Dennie, who predicted that the football team of the Miners would be champions of 1921; Buddy Cairns, captain of the team; Dr. A. L. McRae, former director of the School of Mines; Dr. Baysinger; "Dip" Wendell, captain of the 1921 team; W. J. Ellis, Major C. E. Cooke, Dr. Barley and George Bloom.

One of the interesting features of the evening was the presentation of a bouquet of flowers to each member of the squad by the little son of Dr. Turner.

Before the evening was over it was voted that the first banquet was a great success, and that the meeting be adjourned to meet one year from December 8th for the second Annual Football Banquet.



Green Cap Day

AS THE train came to a standstill at Rolla's station the first Freshman of the Class of '24 alighted with spirits high and with a multitude of visions of the Missouri School of Mines. He had heard of its world-wide fame and reputation and now he had at last arrived here, after a blissful summer at home. Instead of the peace and prominence which he had anticipated he found that he had been set down in a locality infested with barbarous, blood-thirsty Sophomores who were on the warpath for Freshmen scalps. The very atmosphere seemed to predict evil to Freshmen, and as more and more of his classmates arrived the patrols were increased. He was afraid of the waters of the Frisco Pond.

The Sophomores' ultimatum, which had been posted in conspicuous places about town, was sufficient warning for him and he spent the evenings of the first week at home. From various members of the school he found out that the fair grounds afforded the only place of safety on the eve of the battle; so he borrowed a blanket and with a few sandwiches he set out on the designated evening for the consultation of war. A large bonfire had been built, around which most of his class had already collected. Our hero was soon lost in the mob.

After a pleasant evening spent counting the stars the Freshmen arose and prepared to march back into town. This march was duly accomplished to the tune of the "Mining Engineer." The opposing forces lined up on the two ends of the field. The sight of a hundred Sophomores before him frightened our hero. At the stipulated time the gun went off and the fray began. The field was a surging, seething mass of entangled humanity. At intervals, a Freshman, bound hand and foot, would be extricated from the mass and carried to the side to await the will of the victor. In twenty-three minutes the Freshmen were vanquished and the Sophomores were duly proclaimed victors.

After a brief rest to repair the sick and the wounded the defeated Freshmen were liberally decorated with green paint and choice signs such as "Siberian Goof Hound," "Pride of the 400" and "Swamp Angel." They were then marched to Jackling Field for the circus, which consisted of lampblack fights, egg shampoos, molasses fights, songs, dances and proposals to some of the society belles of Rolla. In most cases the Sophomores deemed an application of the pine paddle a part of the necessary enthusiasm and pep of the meeting.

After the curtain had fallen on the last act of the circus the Freshmen were provided with the customary green caps which betokened the ignorance of the wearer. They were now tamed and broken.





OUR "PRETTY" FROSH



Senior Trip

Our yearly trips constitute a part of the pleasure of attending a Mine Engineering School. Last year in the spring the Juniors and Seniors took an extended inspection trip thru the South Missouri Mining District. The trip started April 9th from St. Louis and ended at the same place on April 17th. Dr. Cox and Professor Charles C. Clayton supervised the students while on this jaunt.

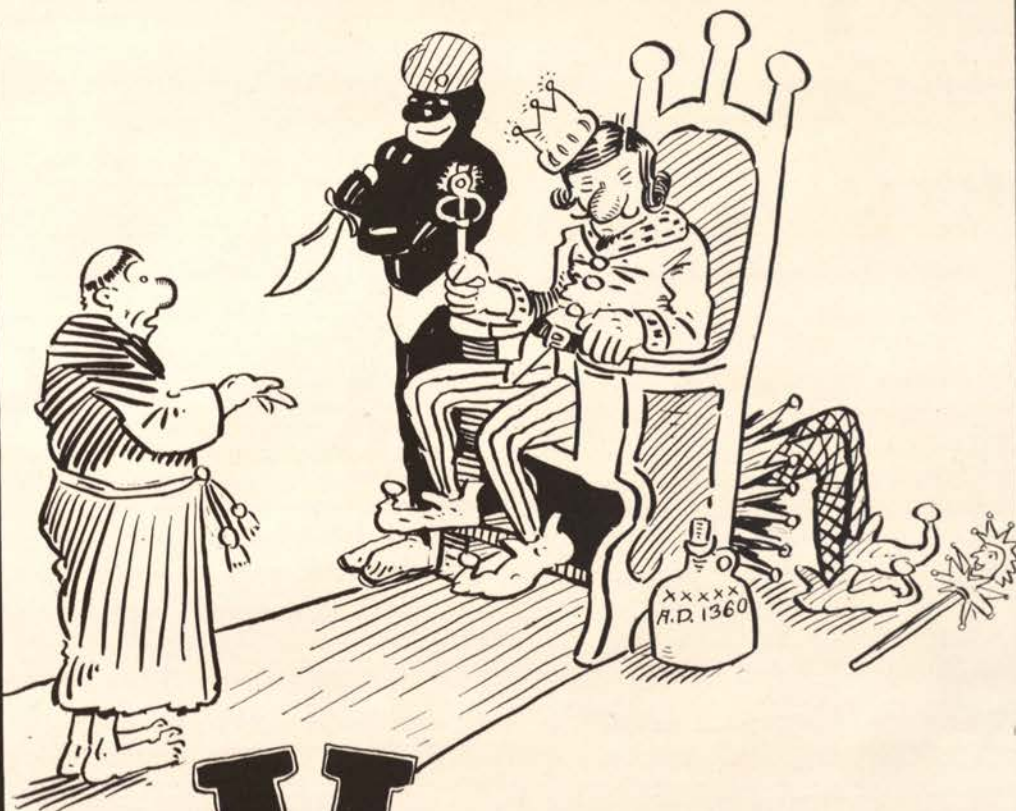
The geology of the Iron Mountain District, together with that of Frederickstown, was studied for three days. Here actual mining and field conditions were studied under the direction of Dr. Cox and with the assistance of "Boots." In fact, Prof. Clayton was deeply interested in this inspection.

Then Professors Forbes and Clayton got a chance at the boys. This was at the Missouri Cobalt Company. Here the milling and smelting plants were both visited and studied. Many things were learned here that could not be obtained from books. The study of all milling and smelting methods were further gone into at the plants of the Federal Lead Co. at Flat River, Missouri, and again at Bonne Terre. All these plants were of interest to the men, due to the fact that they are in Missouri and are among the largest lead milling and smelting plants in the country. Underground methods were studied as well as the milling and smelting plants above ground. Then the Lead Smelter at Herculanum was visited and "Boots" told us again the advantages of the Dwight-Lloyd and Pots furnace in Lead Roasting.

Zinc is also an important product of the district, so we visited the Collinsville Zinc Corporation and studied their methods.

And after imbibing all this knowledge the party returned to St. Louis, dining sumptuously at the Planter's Hotel. After this there was nothing to do, so naturally we returned to Rolla to graduate, if possible. "Liz" Millar arrived via the blinds and declared he was feeling O. K., so we all decided to call the trip a real success and wish to thank the Professors for making it such.

WIT &



HUMOR

JOE WILSON



Calendar

AUGUST

29. Rolla's Chautauqua entertains the Miners.

30. George Easley, an old Miner, addresses the Students.

31. The Phelps County Fair starts and the Freshmen get a first glimpse of the bewhiskered Ozarkians.



SEPTEMBER

1. Miners start going to classes now and then. Aquatic Classes held at Frisco for benefit of Freshmen.



2. Eighteen Freshmen tied to iron fence around campus and later disciplined by Sophs.

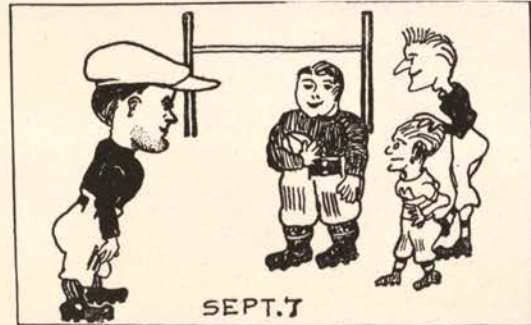
3. Dr. Fulton makes his Inaugural Address. Most tremendous success.

4. Student Council takes unprecedented step and bring about hostile and favorable criticism.

5. Frosh make stragetic retreat to Fair Grounds.

6. Sophs win in class fight. 22 minutes time.

7. Football candidates report to Coach McCune. Both parties well pleased.



8. Election to fill vacancies on Rollamo Board.

9. Prof. Forbes blows student up with a squib thought to be dead.



10. Politics very much in evidence.

12. Students go to church. Some accomplish purpose and get a free dinner.

16. Prof. Dean feels fine and tells some new jokes.



19. Everybody in dark on account Rolla being broke.

20. Students labor under the handicaps of no lights and think it advantageous in prospecting.

21. Prof. Forbes lulls class to sleep with lecture in his Mining Class.

23. H. P. Lawrence-Thelma Ballard.

24. Miners do not take kindly to special train idea for Washington game.

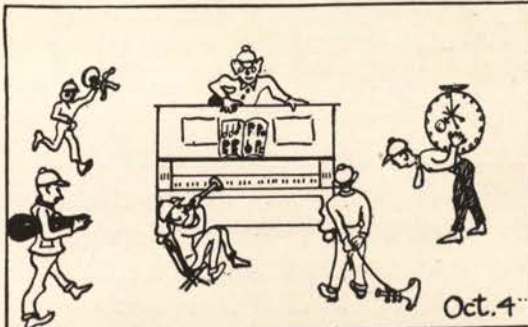
25. Rolla's 13, better known as the "Four Hundred," work overtime on this bright moonlight night.



OCTOBER

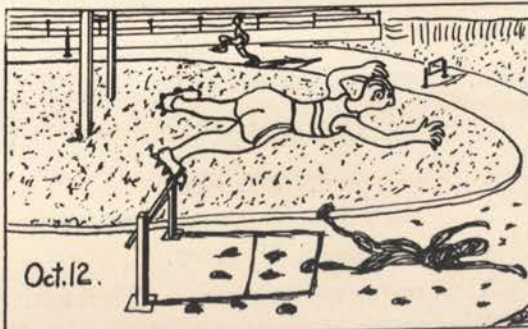
1. Real Pep shown at mass meeting.

4. Freshmen organize an orchestra.



5. Frosh raise hell in general.

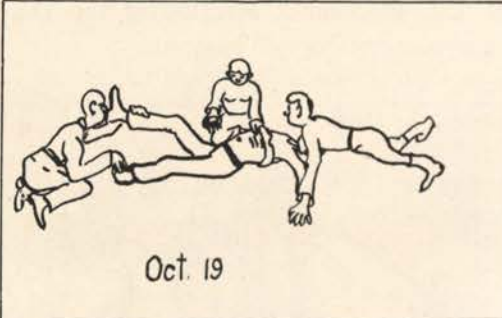
12. Basketball and Fall track men begin their grind.



15. Lecture on Concrete by Col. Boyden. Some Miners feel insulted.

17. Sunday. Usual excitement.

19. Johnny Bulger gets another wrinkling.



23. We lose football game to St. Louis U., 27-0.

24. Miners organize a Bible Class at the Methodist Church.



27. Lyceum Course begins and is well attended.

29. Big Hallowe'en dance.

30. Many find that school starts an hour too soon—rather a day too soon. Miners meet the Razorbacks in the annual contest.



ROLLAMO

NOVEMBER

1. October grades turned in. The rumor is in the air that Buddy Cairns is married.

2. Scholars celebrate the outcome of the elections. Recruiting for the "Esquimaux Navy" begins.



3. Fred Schaefer stages an unsuccessful snipe hunt in Sinkum Hollow.

4. October Flunks invited to a pink tea given in their honor by the faculty.

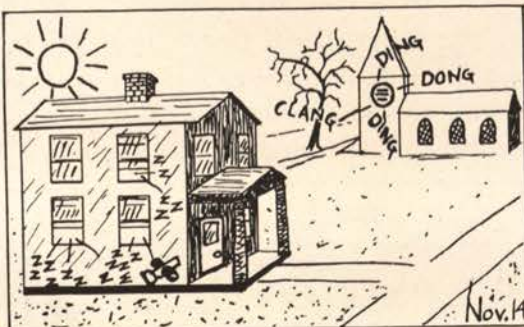
6. Eddie Bohn seriously injured in football game. Doc Pshaw assists in customary manner.

8. EDWIN JOSEPH BOHN

11. Armistice Day. Memorial services at Parker Hall.

13. Miners lose game to Drury by score of 13-7.

14. Sunday. You know the rest.



17. News of Buddy Cairns, life sentence confirmed.

18. Theta Tau Banquet. The chosen few are put thru the fire and tested for many things.

19. No lights. Students peruse text by candlelight.



20. Quo Vadis convention and attendant evils. Frosh draw blood from Sophs by the score of 19-6. Second Miner dance.

23. Rollamo play, "Officer 666." Football team leaves for Tulsa to play Henry Kendall.



25. Turkey Day. Miners celebrate by losing game to Henry Kendall by the small score of 45 to 0. Alumni Banquet at Tulsa. Lots of pep.

28. Undeclared Junior team challenges the Frosh to a football game.

29. Basketball practice begins in earnest. Good squad out for honors.

30. Something new under the Rolla Sun. New arrival in town.

DECEMBER

1. A. A. E. Smoker in gym.

2. Coach McCune appointed to be Assistant Athletic Director.

3. Freshman Smoker. Herewith picture taken of student body.





4. Tau Beta Pi initiation and banquet for the consecrated ones.

15. Everyone looking forward to the Xmas holidays.

19. A Miner thought to have been seen at church.

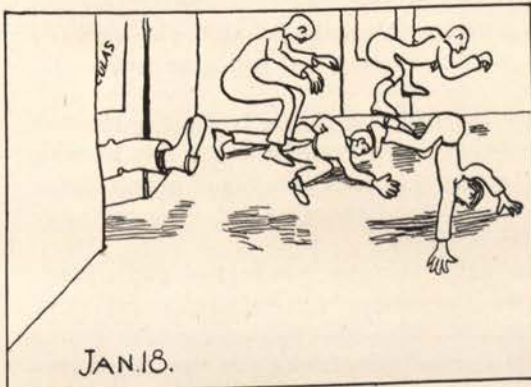
20. Lambda Chi's win basketball championship.

JANUARY

4. Ed Hollow blows in with the same old line.

5. Dr. Boyce also arrives to take chair of Economics.

18. Dean kicks out four students for working Calculus that is beyond his mental grasp.



19. A. A. E. meeting.

20. Frosh seen sporting latest in undress uniform.

21. Everything calm. Something must be going to happen.

22. It did—John Miller shaved.

23. Basketball team leaves for tour of state.

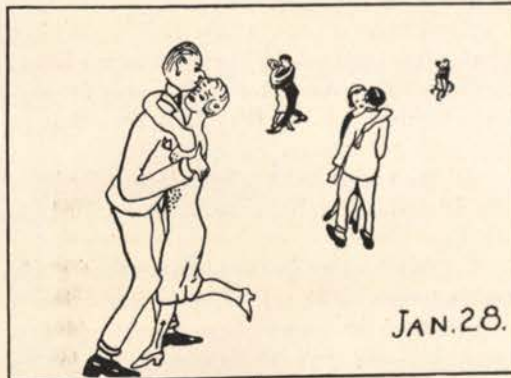
24. Miners lose to Central by score of 24-12.

25. Missouri Mining and Metallurgical Society meets. New Physical Director arrives. Name, Bill Kamp. Old letter man.

26. Miners lose to Westminster.

27. Tau Beta Pi pledges some men.

28. Miners stage 6th anniversary dance. The shuffle—GOSH!



29. Satyrs throw a dam-p party. Revenue officers busy.



30. Satyrs require help to get home.

"The Frat Pin"

ALMOST any lovely lady is satisfied with a string of pearls, a platinum brooch and a diamond glinting somewhere between her jeweled comb and her cut-steel buckles. She cares no more for ornaments than Omar did for hooch. Which is where the lovely women differ from the stalwart of the species. A man is satisfied with one pink frat pin.

No guy has made the most of his college education unless he comes from college drooping with a frat pin on his chest. A bird that spends four years on the front line benches without bagging a campus Croix-de-Guerre is skipping pretty close to the nix column. He must face the world without a fancy hat band, without a mystic grip to slip all comers and without the Greek alphabet peeking from his vest. And that's some handicap. Since sport shoes came down to \$6 a pair, it is getting harder and harder to distinguish the college guy.

There are 11,926,012 combinations of the Greek alphabet and just that many frats. Everything secret nowadays is labeled alpha or omega, including salad dressing and linament formulae. Any guy that lopes thru college without being tagged for some Greek outfit is a dud with a capital "D" and a missing fuse.

The frat guys are the outstanding gazinks of the dear old alma mater—the boys that drink the midnight fusel oil. The collegiate Ku-Klux is the real thing in the mystic department. And the Greek letters are the code language for something hidden and unseen, as for example, Beta Vodka Delta for B. V. D's. The boys that peddle the hush dope make the moonshiner look like a public character.

All the real folks have been tagged for honors. George Washington belonged to the Kanan Tella Li fraternity, Babe Ruth has joined the Hitta Lotta Runs and Ponzi belongs to the I. O. U.'s.

No frat brother is complete without a triangle of platinum pinned where he spatters his breakfast eggs. The real thing in frat fixings is a couple of spare parts of the Greek alphabet enclosed by a barrage of baby pearls and Attleboro diamonds. The aleck that carries one of these hokey-opokeys over his fifth rib is a loudbang in frat circles. And every year they murder 120,000,000 oysters just to get pearls for the edges of those pins.

The big minutes in a frat guy's life is when he gives a gal that pin. The skies quiver and the gods halt till the safety clasp pierces the dame's georgette. According to all the by-laws and umpty-umpty of the sacred frat, the lady is now engaged to the yap that just gave up the pin. It is a thrilling moment, especially to a Jane that can't read Greek.

Another star-spangled ceremony connected with the Balkan alphabet is slipping the frat grip. The grand and solemn handclasp has all the finger movements of a cornet solo without the cornet. When Greek-letter guy meets Greek-letter guy then comes the tug of paws. There is no thrill like feeling the authorized squeeze of the brother frathead. And there are more victims of the Greek grip than there are of the Spanish influenza.

The intricate moves of the regular handclasp makes the Bertillon system look like a rough description. But even so, the grip's a good thing for the college boys—it's the one kind of manual labor that they fall for. And that's our argument. You don't have to be a frat guy to get by in life, but it helps. When you are broke and starving miles from home you can always hock the frat pin.—(Ex.)



The Freshman Smoker

THRU THE KEYHOLE



The Freshman smoker on December 3, 1920, was well attended by men from all of the classes. Perhaps the large attendance was due to the fact that there had been a hint of something special in the way of entertainment. The programme started with a selection by the famous Freshman Orchestra. Following this, Spoof Walker and Snipe Schaefer staged a thrilling pillow fight in which Spoof was declared winner on points. Marek and Smith then engaged in a mock sparring bout, each of the contestants being blindfolded. This mock bout was followed by a real one between H. O. Schramm and Kessler, in which Kessler had the advantage although both contestants displayed good form at times.

This ended the fistic entertainment for the evening and the next type was brought on. This was Fred Underwood, who rendered a vocal solo. Not to be outdone, the orchestra played the other selection that is in the repertoire. All the preceding forms of amusements were tame when they are compared to that which followed.

The next thing on the list of amusements was the main drawing card of the evening. And as the imported cabaret dancers from the city of St. Louis came tripping in there was a great outburst of spontaneous applause, mingled with several hundred fervent sighs. However wild the Miners were, to be the lucky ones who should draw the attention of these dancers the luck was with the United States Army—Lieut. Peckham; Wall Street—Fred Smith; Rolla—Prof. Butler, and at last one or two of the students, principally Stroup, because he had less hair on his head than most of us.

The Miners were truly appreciative of the performance and enjoyed it immensely. The Smoker was a complete success as there were plenty of smokes and lots of pep.



He: "Let's kiss and make up!"
 She: "If you're careful, I won't have to."

* * * *

ECONOMICS

Prof. Boyce was waxing warm on the topic of Supply and Demand. Noticing a lack of attention, he asked: "Mr. Reid, give me an example of an elastic demand."

Mr. Reid answered: "A pair of garters."

* * * *

WE'LL BITE

They say its not the dress that makes the chorus girls. Then what is it?

* * * *

DO TELL!

Elizabeth: "Doctor, I want you to vaccinate me, but I want it done in some place where it won't show."

Dr. Bay (meditating): "Well, I don't see how I can do it without doing it internally."

* * * *

DO YOU BELIEVE IT?

"You are concealing something from me!" hissed the villain.
 "Certainly I am," replied the fair damsel; "I ain't no Salome."

* * * *

IS THAT SO

Crow: "What date is tomorrow?"

Dip: "Jim's."

* * * *

HERE AND THERE

Schwarz (World-famed Explorer): "I've been everywhere all over the world and seen everything."

McBride (Local Explorer): "D'je ever take some of this unlabeled whiskey?"

Schwarz: "Never did."

McBride: "You've never seen anything then."

* * * *

THEY ARE SO INNOCENT

Lovesick Frosh: "You are the breath of my life, dearest."

The 400: "Do you mean it? Then see how long you can hold your breath."

* * * *

TAKING NO CHANCES

Any Prof.: "This examination will be held under the honor system. Take seats three apart and in alternate rows."



AAdvertisements



JOE WILSON





ROLLAMO

Rolla State Bank

Capital and Surplus, \$100,000

Safety and Service

It is our purpose to handle any and all business entrusted to us in such a fair and liberal manner as to make all patrons' relations with our bank satisfactory and profitable.

Students' Accounts Welcome



Depository of Missouri School of Mines



SERVICE

IS THE SECRET OF
THE SUCCESS OF

The STUDENTS' STORE

The place of service
Here you find just what you want
Every time you want it



Soda Fountain of the very best
Tobacco and cigars of any known brand
Universally advertised candies



Divers lines of pipes and accessories
Everything in text books



Nifty line of engraved stationery
The finest kind of billiard parlor
Sporting goods of all kinds



Special attention given to all
The store is open seven days each week
Our Grafanola department at your service
Remember the advertisers in the *Rollamo*
Every time you need anything

HARVEY & SMITH

PROPRIETORS OF

THE STUDENTS' STORE H. & S. BILLIARD HALL
ROLLA'S THEATER



ROLLAMO

*To be strong To serve its
To be liberal depositors well
To be prompt and truly*

IS THE POLICY OF

The National Bank of Rolla

Capital \$50,000 Surplus \$55,000

Reserve Over \$700,000

GOVERNMENT DEPOSITORY

O F F I C E R S

H. W. LENOX - - - President
DAVID E. COWAN - Vice-President
P. H. MCGREGOR - - Cashier
FLOYD W. WEBB - Ass't Cashier
F. A. CAMERON, - Ass't Cashier
W. J. McCaw - - Ass't Cashier

A SERVICE based on the facilities and experience gained during nearly a quarter of a century is extended by this bank. We feel that, because of this experience, we are in a position to extend every aid and assistance to our friends and customers, consistent with sound business methods.

MEMBER OF FEDERAL RESERVE BANK





Merchants & Farmers Bank

ROLLA, MISSOURI

Capital and Surplus, \$125,000

Students:

You cannot make the most of your education without business training. A bank account with us will give you that training---the value of which cannot be overestimated.

**WE ARE GLAD TO HANDLE
STUDENT ACCOUNTS**

"A Modern Bank for Progressive People"



ROLLAMO

For RELIABLE GOODS

—AT—

REASONABLE PRICES

—GO TO—

Heller's Clothing House

*The
Clothing House for
Students*



ROLLA, MISSOURI





ROLLAMO

ROGERS FOUNDRY AND MFG. CO.

ENGINEERS, FOUNDERS *and* MACHINISTS

Manufacturers of

MODERN
INING
ACHINERY

JOPLIN

MISSOURI

The
Northern Optical Company

◀ EYES CAREFULLY *and* SCIENTIFICALLY EXAMINED ▶

GLASSES FITTED
CONSULT US ABOUT YOUR EYES

A. B. NORTHERN, *Optometrist*

EIGHTH STREET

ROLLA, MISSOURI



DENNIE'S *Cafe*

The DINNER that brings
memories of home and mother

THE BEST FOOD *and*
THE BEST SERVICE

Meals—40c HOT and COLD
LUNCHES

Dunham's Barber Shop

A SHOP
DISTINCTLY
INDIVIDUAL

GIVE US
A TRIAL

The Brunswick Phonographs
The Brunswick Records
Conklin Fountain Pens

SIGNET Gold and Silver Pencils

SUN RAY FLASHLIGHTS

COLLEGE and SCHOOL
SUPPLIES

We sell at the LOWEST
PRICE

Give us a trial and
be convinced

FAULKNER'S DRUG STORE

*For a
Real Shine
See "BUS"
at Murray's
Barber Shop*

Tailor Made Clothes

WEAR LONGER
LOOK NEATER
FIT BETTER

ROLLA TAILORING COMPANY

H. S. WITT

We also do Cleaning and Pressing

PHONE 17

— FOR —
*Athletic Goods
Fishing Tackle
Shot Guns and RIFLES
Ammunition
SEE Hardware*

L. C. SMITH ROLLA
MISSOURI

J. M. PIRTLE

*Watchmaker and
Jeweler*

ALL WORK GUARANTEED

ROLLA, MISSOURI



ROLLAMO

*For Text Books, Drawing Instruments
and School Supplies*

— SEE —

JOHN W. SCOTT

(M. S. M. 1886-87-88)

Druggist

*EIGHTH AND
PINE STS.*



LUFKIN
TAPES

Quality and Assortment Unequalled

ACCURATE
THE RECOGNIZED STANDARD

THE LUFKIN RULE CO.

On Sale Everywhere
Send for Catalogue
SAGINAW, MICH.
106 Lafayette St., N. Y.

ESTABLISHED 1873

A. H. Fetting Manufacturing Jewelry Co.

MANUFACTURERS

GREEK LETTER FRATERNITY JEWELRY

213 N. LIBERTY STREET
BALTIMORE, MD.

ARY & SMITH

Highest Grades of **MEATS** and Groceries

QUALITY AND SERVICE

ROLLA, MO.



ROLLAMO

Baumgardner Studio

EVERYTHING
PHOTOGRAPHIC

Rolla

Missouri

SERVICE AND COMFORT—*A Real Home to a Weary Traveler*

HOTEL BALTIMORE

Mrs. J. B. Ellis, Prop.

EVERY CONVENIENCE EVERYTHING CLEAN

WE CATER TO BANQUETS AND DINNER PARTIES

RATES \$3.00 PER DAY

ROLLA, MISSOURI

NEAR STATION

BEFORE LEAVING M. S. M. SUBSCRIBE FOR

The Rolla Herald

*It will be
like getting a
letter from home*

*Something
of interest
always in it*

DON'T FORGET THAT WE TURN OUT
ONLY THE BEST IN JOB WORK

CHARLES L. WOODS - Proprietor and Editor

Compliments of

*The M. M. Valerius
Company*

*Petroleum
Geologists*



Tulsa, Oklahoma



ROLLAMO

Packard Shoes

John B. Stetson Hats

Hart Schaffner and Marx Clothes

"Rolla's Biggest and Best Store"

SCHUMAN BROTHERS

ROLLA, MISSOURI

JOHN A. GARCIA
MINING ENGINEER

ALLEN & GARCIA
COMPANY

ISABELLA BUILDING
21 E. VAN BUREN STREET
CHICAGO

B. H. RUCKER
INSURANCE—ABSTRACTS
REAL ESTATE

*Leading Fire Insurance Companies in the World.
Most Complete Set of Abstracts of Title.
Real Estate bought and sold.*

Office S. E. corner 7th & Pine St. Rolla, Mo.

D. F. DONAHOE
MANAGER

MARIE M. KEPLER
STENOGRAPHER

The Largest and Most Complete
Stock of

FURNITURE, CARPETS
AND WALL PAPER

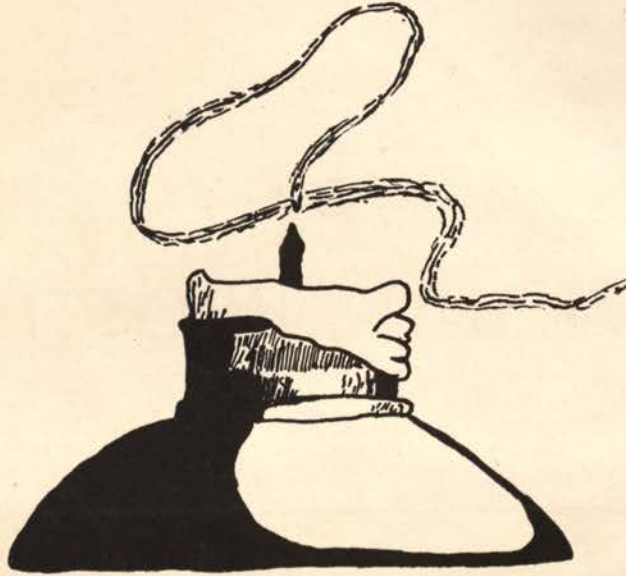
In Southwest Missouri

HARRY R. McCAW
PINE ST.
ROLLA, MISSOURI

Undertaking and Embalming



ROLLAMO



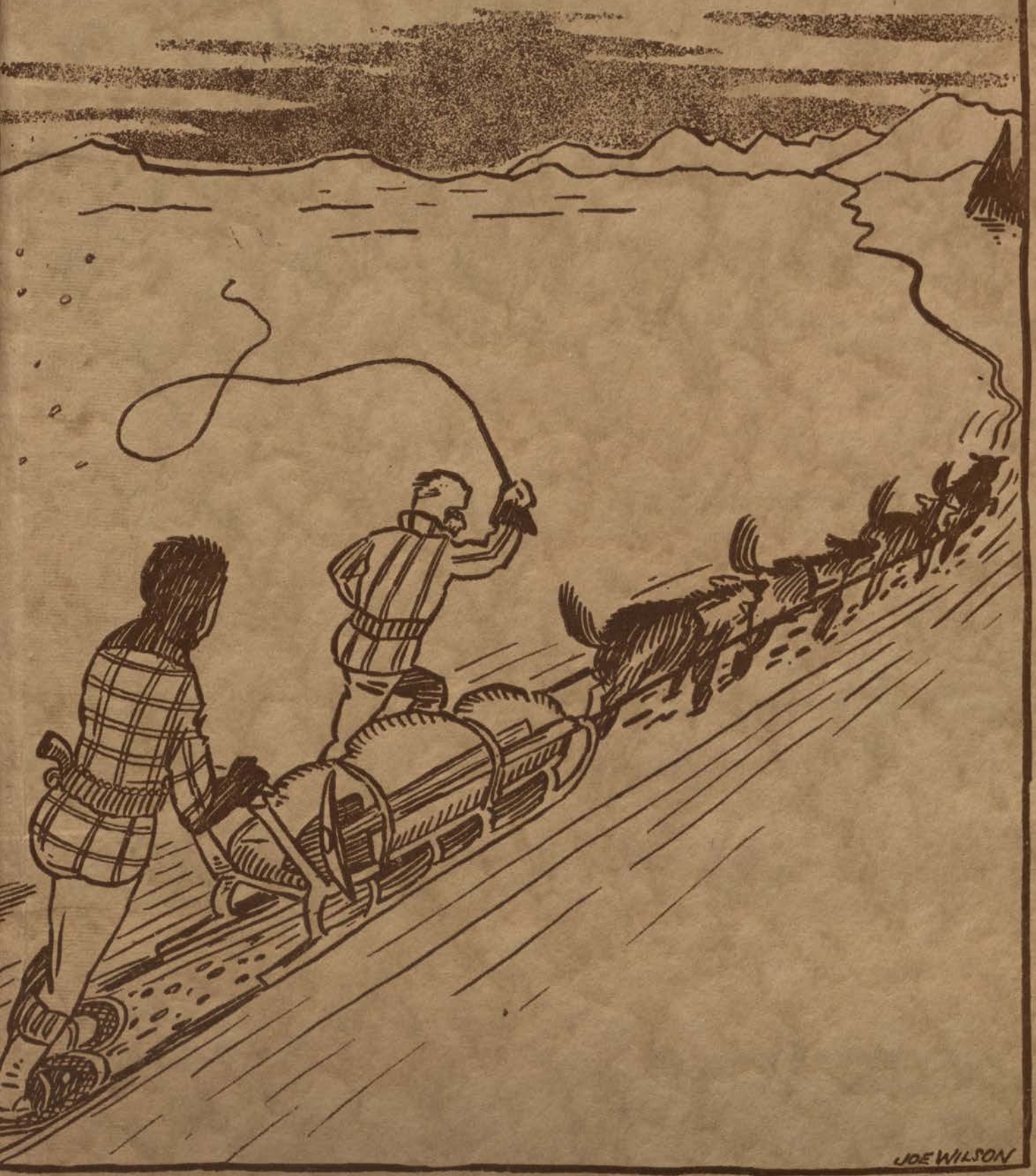
THE-~END



THE ENGINEER - THE



FORE RUNNER OF CIVILIZATION



JOE WILSON

